

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
6723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
658	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
676	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
871	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	76543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition # 214, July 2015

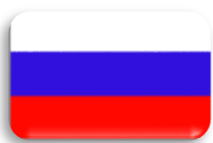
Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

VOICE STATIONS



E06

13825 kHz, 02-07/03-07/16-07, 0500 UTC

15625 kHz, 16-07, 0600 UTC

679 453 102

80836 92022 32049 47813 03920 00473 16330 63540 76545 37993
10548 41059 62979 97854 15804 34481 52811 95659 23366 41429
15564 61132 67370 35199 05792 82346 39735 08072 23351 25844
84465 11590 58534 81055 13539 04738 76759 02487 11563 45984
22494 48088 21393 90099 47101 37257 27885 75699 90308 76907
81989 14444 69971 29041 32361 17844 59823 18260 56674 22590
29906 02661 09838 00370 89361 56540 31287 63077 56274 38363
78546 99383 84251 42410 79249 03589 00431 57564 18805 82693
14598 81660 05895 52636 44109 64839 82986 59620 64302 80337
74059 87487 89076 46167 86724 37049 11345 46101 10918 88344
58028 23421
453 102 00000

5948 kHz, 02-07/16-07, 2030 UTC

724 613 20

14259 22676 32782 32782 76732 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
613 20 00000

5731 kHz, 03-07, 2130 UTC

315 728 20

14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
728 20 00000

19626 kHz, 05-07, 1100 UTC

832 519 72

07477 27277 52164 36533 16116 26193 81567 98316 26018 37472
03740 54773 35606 86852 23772 20258 77637 53595 53516 35478
63707 30509 72729 16905 08776 45670 03779 23156 03583 69083
90699 79018 29358 43375 96829 03738 45742 47682 28242 90210
07586 08222 56579 47235 31800 78131 95523 87102 12201 35159
19481 46559 51453 61557 62436 27821 80792 82676 37638 79716
89870 33865 99942 09480 71507 37261 13968 04687 11460 30508
66852 23093
512 72 00000



E07

14812/13412/11512 kHz, 01-07, 1900/1920/1940 UTC

845 1 914 40 914 40
24447 32453 83034 81671 11547 00323 59208 25463 41526 49137
10526 02354 69634 64181 15005 54078 00606 52493 90977 34428
03706 05526 51407 92497 38577 84609 18351 33181 43131 04327
45877 24540 77507 77540 46284 32474 53027 61012 32517 20300
000 000

9064/10264/11464 kHz, 04-07, 0600/0620/0640 UTC

024 1 908 66
70158 85228 20370 81207 43633 78367 61716 08443 57770 29504
29130 56222 08886 16626 94811 83468 73022 57542 41409 76827
73368 54943 89873 70326 82884 95377 65634 16685 76239 25316
06223 88707 00137 29152 19283 19055 48198 42072 46813 78393
22796 93020 07564 91224 18788 87474 85313 91685 85519 31165
09407 35457 60274 80773 26614 47468 53839 22148 61006 23923
39643 98555 69687 97188 04094 01355
000 000

13898/12198/10798 kHz, 29-07, 1700/1720/1740 UTC

817 1 348 108
66741 66618 89990 86307 94288 65461 75124 88533 57621 75522
48548 17092 52555 21809 03037 57491 62236 69635 64724 47335
04135 70970 56997 82185 97889 10167 85718 87530 59945 48676
58371 15721 96042 99488 59442 33959 51136 95098 92406 90816
16281 91996 11936 75254 17918 10253 73584 93340 76356 00079
35658 61494 03603 22678 91190 32725 97779 82746 23858 46586
17293 19433 47139 74394 44534 72802 38098 61569 89935 11690
12380 48689 32805 75672 59895 98537 22265 99477 00116 90269
96844 74289 30944 14588 70609 31259 73232 37744 84341 08899
22289 06310 90191 78714 10651 89494 42660 77113 97328 82852
27440 69226 90382 80759 99580 47733 83843 26061
000 000



E07a

12166/10766/9266 kHz, 01-07/15-07, 2000/2020/2040 UTC

172 1 38672 2895 91 2895 91
87471 36978 16634 64883 18696 40873 80120 96221 72351 76733
21751 62390 07564 13340 94476 78612 75201 84945 24551 72730
14304 44630 71880 00529 05054 33184 59893 29247 23906 95040
35353 10831 68217 29131 91438 90191 69084 10829 36480 57177
38161 44824 48202 97142 60708 80183 13382 32530 22278 80212
64807 27792 36333 99916 31256 33484 59715 56253 31666 44093
32436 87813 48687 67679 65974 39898 05545 02446 34606 39087
47382 15160 63416 22936 61409 20489 68153 00410 00601 37347
74112 04333 47130 70356 44853 96474 91865 11672 05938 92735
02231
000 000

12213/11413/10113 kHz, 17-07, 1510/1530/1550 UTC

241 1 16258 1221 84
29270 44823 53662 75369 38841 43973 19036 47319 20047 95942
04380 01759 51276 18517 85614 67051 38250 71609 69803 74452
26131 72361 11390 63361 61929 01562 70815 67308 65454 97607
66681 53754 40888 37318 24250 51665 08936 42493 82099 83584
89147 68088 03014 02301 92444 69986 97423 53618 74556 83544
19894 00599 05083 84243 61747 29337 95294 71898 24281 12517
02375 08397 86981 09269 56293 10843 20262 41779 00267 74270
40986 66821 97783 24118 98682 10804 51302 80692 58928 66092
69139 22931 53348 26084
000 000

12173 kHz, 18-07, 0800 UTC

198 1 16258 1221 84
29270 44823 53662 75369 38841 43973 19036 47319 20047 95942
04380 01759 51276 18517 85614 67051 38250 71609 69803 74452
26131 72361 11390 63361 61929 01562 70815 67308 65454 97607
66681 53754 40888 37318 24250 51665 08936 42493 82099 83584
89147 68088 03014 02301 92444 69986 97423 53618 74556 83544
19894 00599 05083 84243 61747 29337 95294 71898 24281 12517
02375 08397 86981 09269 56293 10843 20262 41779 00267 74270
40986 66821 97783 24118 98682 10804 51302 80692 58928 66092
69139 22931 53348 26084
000 000

12166/10766/9266 kHz, 22-07, 2000/2020/2040 UTC

172 1 16966 9592 68
72821 86705 37860 33093 16794 49661 24618 00452 89903 75882
62851 26264 61105 63829 59914 08012 78207 44121 52360 15940
79253 69785 37210 05322 71431 95669 69026 69727 28573 95672
37692 37398 80533 68739 02245 42857 12491 82775 62821 18583
79000 93685 09874 43666 06098 38513 01322 29576 84995 67653
35850 99674 03680 56208 94216 22217 75983 29214 48122 25874
07011 18240 67100 83159 77313 25012 91413 16081
000 000

7933/9133/10233 kHz, 23-07, 0430/0450/0510 UTC

912 1 16966 9592 68
72821 86705 37860 33093 16794 49661 24618 00452 89903 75882
62851 26264 61105 63829 59914 08012 78207 44121 52360 15940
79253 69785 37210 05322 71431 95669 69026 69727 28573 95672
37692 37398 80533 68739 02245 42857 12491 82775 62821 18583
79000 93685 09874 43666 06098 38513 01322 29576 84995 67653
35850 99674 03680 56208 94216 22217 75983 29214 48122 25874
07011 18240 67100 83159 77313 25012 91413 16081
000 000

***Polish Intelligence***
(E11 family)

The E11 family has changed a number of things last month. Probably to save energy. They shortened the pauses in voice transmissions; the shift of the FSK transmissions changed from 625Hz to 740Hz; and the voice and morse callups were shortened

M23 was back for a while, while the unid morse station from Siberia has not been heard in July.



E11/ E11a

14769 kHz, 04-07, 0530 UTC

980/10 Attention 43285 19247 47231 86828 76545 70785 77514 54494 43176 51408 Attention, rpt msg, out

13722 kHz, 04-07, 1400 UTC

981/10 Attention 53166 57865 55277 54796 27033 93793 44073 13954 17372 93367 Attention, rpt msg, out

14518 kHz, 04-07, 1810 UTC

982/10 Attention 02251 93109 95948 20662 22296 75407 74647 43277 28138 58005 Attention, rpt msg, out

14769 kHz, 07-07, 0530 UTC

982/10 Attention 54445 27096 80599 76344 77037 05439 60293 62490 20489 90015 Attention, rpt msg, out

14518 kHz, 07-07, 1810 UTC

984/10 Attention 63775 37769 62373 45805 70729 70928 89686 11370 56658 27569 Attention, rpt msg, out

13722 kHz, 14-07, 1400 UTC

981/10 Attention 53166 57865 55277 54796 27033 93793 44073 13954 17372 93367 Attention, rpt msg, out

14518 kHz, 14-07, 1810 UTC

982/10 Attention 88252 59574 48146 07395 09398 88214 95613 20413 40208 56134 Attention, rpt msg, out

13722 kHz, 18-07, 1400 UTC

981/10 Attention 48221 03271 05452 72718 38112 07770 21265 75940 25597 58981 Attention, rpt msg, out

14518 kHz, 18-07, 1810 UTC

983/10 Attention 70592 47735 59397 04327 90479 64138 22284 37392 35720 57344 Attention, rpt msg, out

14769 kHz, 21-07, 0530 UTC

987/10 Attention 90831 51250 47200 42631 94241 37546 20798 79120 05006 27812 Attention, rpt msg, out

13722 kHz, 21-07, 1400 UTC

980/10 Attention 27278 72867 93305 20594 74800 54324 33287 35336 20062 57143 Attention, rpt msg, out

14518 kHz, 21-07, 1810 UTC

981/10 Attention 44736 09882 36102 55439 22195 40192 51980 22469 35639 37483 Attention, rpt msg, out

13722 kHz, 28-07, 1400 UTC

983/10 Attention 44487 68250 90413 33738 40405 35636 90270 54001 16238 08513 Attention, rpt msg, out

14518 kHz, 28-07, 1810 UTC

985/10 Attention 54958 07389 24622 82672 45437 12537 97180 97004 30208 99588 Attention, rpt msg, out

10213 kHz, 01-07, 0930 UTC

277/34 Attention

39861 15218 51833 20010 02320 71904 43139 52533 75252 94136

22639 86715 35693 04605 30146 94465 05676 84789 12930 13588

33053 15109 75005 52009 81578 16605 90725 81153 95277 16542

65035 26704 87244 11312

Attention, rpt msg, out

10487 kHz, 03-07, 1710 UTC

955/27 Attention

75771 77717 96876 74963 60061 35585 37122 50934 55606 80858
53056 98873 41092 09208 12984 08524 60934 89821 95725 80388
78040 27750 85099 57971 59091 58086 50347

Attention, rpt msg, out

12924 kHz, 06-07, 0830 UTC

647/35 Attention

49458 87851 41144 04536 44017 83815 36887 45484 88301 75209
49571 84629 36812 51961 42614 71477 91686 39973 90812 79367
26438 11966 52224 08874 06067 41354 02755 87007 97210 41322
96702 27471 78017 92277 23041

Attention, rpt msg, out

16388 kHz, 06-07, 1110 UTC

952/31 Attention

89200 20524 82703 52268 31359 10821 62132 03706 40921 75977
41996 29471 72872 48756 53931 69282 81297 10422 43633 65865
44890 19950 39508 34331 18101 08562 90736 59371 47365 09239
52988

Attention,rpt msg, out

10487 kHz, 06-07, 1710 UTC

953/20 Attention

88927 45520 62553 27277 50092 22078 70219 02234 34725 22302
19462 98796 49206 10339 59034 84351 88368 70392 34586 20234
Attention, rpt msg, out

10302 kHz, 07-07, 1045 UTC

465/31 Attention

49953 70374 26870 94839 59710 36557 69519 92177 02717 46209
70990 71378 74663 45221 32410 23680 63604 10261 59210 06806
52096 38966 15938 40525 03256 38419 91768 94866 67371 67895
92762

Attention, rpt msg, out

8565 kHz, 08-07/09-07, 0315 UTC

253/33 Attention

98302 68712 65531 43915 82866 64927 73809 10986 97251 75418
77564 64109 90166 59478 17086 27159 38895 71088 11622 37702
09854 15356 52718 85489 85626 13988 36459 00726 66780 13134
41740 44669 85164

Attention, rpt msg, out

12924 kHz, 10-07, 0830 UTC

647/35 Attention

49458 87851 41144 04536 44017 83815 36887 45484 48301 75209
49571 84629 36812 51961 42614 71477 91686 39973 90812 79367
26438 11966 52224 08874 06067 41354 02755 87007 97210 41322
96702 27471 78017 92277 23041

Attention, rpt msg, out

15632 kHz, 14-07, 0745 UTC

333/33 Attention

31462 75971 60391 29974 84057 70511 18721 64214 64159 92479
22672 57339 71724 64881 45006 12757 13668 35989 85855 38015
43859 21281 71794 95826 43716 70969 38865 21709 38357 51909
65885 93824 23291

Attention, rpt msg, out

14975 kHz, 15-07/19-07, 0805 UTC

310/33 Attention

54975 61122 38109 01237 28242 65774 01456 38585 58917 05309
57880 69172 62132 32393 23543 05461 96952 87465 82076 29878
45565 06024 96241 43190 60969 17209 87137 79337 89244 14869
09348 06248 06999

Attention, rpt msg, out

13424 kHz, 16-07, 0645 UTC

514/35 Attention

15377 37417 43097 85088 11284 86461 17899 73443 84810 99259
32261 16780 43809 64980 63891 10253 93269 00310 07396 50827
26297 93074 68939 54633 36565 50212 11873 41400 22786 97931
09840 61057 43800 67018 73221

Attention, rpt msg, out

15632 kHz, 16-07, 0745 UTC

333/33 Attention

31462 75971 60391 29974 84057 70511 18721 64214 64159 92479
22672 57339 71724 64881 45006 12757 13668 35989 85855 38015
43859 21281 71794 95826 43716 70969 38865 21709 38357 51909
65885 93824 23291

Attention, rpt msg, out

14753 kHz, 21-07/24-07, 0710 UTC

637/37 Attention

97512 85845 49986 72638 89489 07220 96729 79139 87942 73583
22613 98153 85978 98151 31776 83111 34361 07964 80137 72542
54214 22802 66394 57698 63967 82740 27188 13800 72141 91954
34702 12994 11333 38140 66497 68513 63149

Attention, rpt msg, out

10487 kHz, 24-07, 1710 UTC

953/21 Attention

17373 77057 66585 34048 29184 81901 39616 61261 72713 86059
32251 96858 22000 89449 63538 49350 99948 13597 78519 14443
18765

Attention, rpt msg, out

9150 kHz, 27-07, 0815 UTC

432/35 Attention

53258 36690 84154 62713 95850 50506 33237 36632 62648 17492
83945 70596 65540 13687 33779 98993 50850 52478 45895 17103
68579 77699 24747 41619 97278 65119 81867 90236 67029 48676
23500 64014 29802 70222 63563

Attention, rpt msg, out

13427 kHz, 27-07, 0900 UTC

532/33 Attention

14522 24863 62437 12628 18255 69975 64878 93332 37754 18012
86696 16090 93000 75700 58844 55482 31666 92132 27526 12736
63125 16606 42791 71960 42575 30389 65703 45411 94847 18474
73076 30011 13514

Attention, rpt msg, out

16388 kHz, 27-07, 1110 UTC

952/35 Attention

74359 19240 81369 27394 35604 21633 67436 83998 22775 16392
78773 53699 67328 27204 04205 49564 98436 77041 13544 83107
35858 13324 24557 58449 68064 74633 86690 42225 51189 43959
07760 38940 84879 87530 63247

Attention, rpt msg, out

10487 kHz, 27-07, 1710 UTC

953/21 Attention

73465 31155 65018 92984 85003 77860 70594 52346 92507 04591
85576 94928 77235 68258 55274 58846 68401 00741 43634 77796
98233

Attention, rpt msg, out

13424 kHz, 29-07/31-07, 0545 UTC

343/31 Attention

41988 45614 77904 76361 61282 29554 16991 15055 82119 70629
38920 20741 74204 65100 68078 42460 13559 16465 79975 10876
54542 74497 97464 68389 09651 36802 30955 36523 06944 25088
00923

Attention, rpt msg, out

13427 kHz, 29-07, 0900 UTC

532/33 Attention

14522 24863 62437 12628 18255 69975 64878 93332 37754 18012
86696 16090 93000 75700 58844 55482 31666 92132 27526 12736
63125 16606 42791 71960 42575 30389 65703 45411 94847 18474
73076 30011 13514

Attention, rpt msg, out

15803 kHz, 29-07, 1300 UTC //7837 kHz (7837 kHz is an error and was interrupted by POL FSK at 1305 UTC)

132/31 Attention

27003 27161 33463 44211 30496 42572 88043 52987 15343 56984
77428 32524 54364 28347 81472 92111 19177 18921 31106 62975
28981 87218 72140 09453 82467 58054 69816 41519 14183 16514
92657

Attention, rpt msg, out

13908 kHz, 31-07, 0600 UTC

181/38 Attention

69896 23522 97445 90853 58748 01481 55371 31098 64110 01875
59843 92306 37028 37886 44356 73114 12117 17142 31833 70109
65116 87930 91050 54094 34697 84263 62681 88650 02918 31586
34341 03164 13498 72590 66881 13936 51811 38821

Attention, rpt msg, out

10487 kHz, 31-07, 1710 UTC

959/26 Attention

54080 77114 81169 81445 50296 61850 65162 86055 10890 26972
34088 10222 40033 92186 28851 33420 12400 48100 40299 67832
45329 58987 31053 10087 43276 56240

Attention, rpt msg, out



E17z

16780/12850 kHz, 02-07/09-07, 0800/0810 UTC

674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 00000

16780/12850 kHz, 16-07/23-07, 0800/0810 UTC

674 298 5 82045 36717 24042 75956 31670 298 5 00000

16780/12850 kHz, 30-07, 0800/0810 UTC

674 674 674 00000



G06

6887 kHz, 09-06, 1830 UTC

842 317 20

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567

93296 67423 40968 16891 63781 34820 04842 60491 75924 04594

317 20 00000

5943 kHz, 10-07/24-07, 1930 UTC

218 394 20

06132 75514 79681 94217 21443 31441 81797 17512 62689 33103

48930 93432 25709 93628 48683 18809 85052 49870 63962 04884

394 20 00000



S06

15721 kHz, 02-07, 0400 UTC

480 297 50

58849 00194 74972 30269 44479 82597 25750 15362 12974 75283

15528 72450 21749 47428 75707 61162 56997 45311 89223 28856

93967 12424 84846 50898 42092 33903 53069 78856 29680 78706

50766 32525 07837 37987 86806 96753 78319 83096 05812 08985

74995 91650 12249 48457 53610 15106 02039 63009 69537 86265

297 50 00000

7321 kHz, 05-07, 1900 UTC

738 126 47

56472 84378 68274 98522 30206 23456 31989 74352 75300 05377

75948 11336 55614 79197 80782 55119 85172 19293 48843 12289

40404 72165 81465 72701 62818 73340 76243 28009 53690 69012

11922 87965 27477 22042 11547 37355 50757 93343 25916 01409

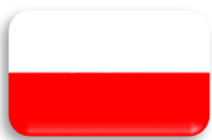
06389 53395 60862 26597 84418 04803 37078

126 47 00000

15721 kHz, 20-07, 0400 UTC

480 169 50

98599 65191 91752 01009 96639 82114 37964 19857 28952 29645
 19485 96932 12370 90359 08264 82305 23880 57368 21745 97665
 19269 21296 46523 98350 62021 08232 34352 17119 60915 62940
 79426 74337 79741 88211 98897 24294 87585 93042 27545 92303
 63129 06348 62542 42304 51369 54662 19268 99629 96240 18955
 169 50 00000

**S11a****11581 kHz, 07-07/10-07, 1020 UTC**

420/37 Vnimanie

20064 06157 82110 77939 03517 43050 63698 70606 27629 30379
 72847 27410 07123 68930 28340 26251 14099 30201 33781 77368
 69958 20069 56686 75210 29949 53684 57394 55357 02080 02014
 91769 53460 73153 03792 19008 90412 32522

Vnimanie, rpt msg, konec

16530 kHz, 09-07, 1015 UTC

478/34 Vnimanie

53197 01948 10104 69284 87737 44205 75102 00266 65256 96189
 34809 59857 32259 14841 33834 37968 60812 52457 86617 47641
 23614 75700 93370 95105 95431 01476 52815 29392 85940 29768
 24203 95651 21143 42517

Vnimanie, rpt msg, konec

8530 kHz, 14-07, 0915 UTC

483/30 Vnimanie

16268 81728 36293 89379 13767 11240 14069 42279 09547 95432
 67757 90545 30955 97301 45925 07517 77785 90999 02245 64319
 10507 95495 62331 39892 99207 02592 45520 94233 23217 86231

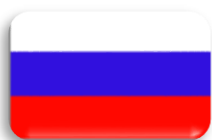
Vnimanie, rpt msg, konec

8530 kHz, 17-07, 0915 UTC

483/30 Vnimanie

16268 81728 36293 89379 13767 11240 14069 42279 09547 95432
 67757 90545 30955 97301 45925 07517 77785 90999 02245 64319
 10507 95495 62331 39892 99207 02592 45520 94233 23217 86231

Vnimanie, rpt msg, konec

**S28 - The Buzzer**

Mode: USB

Frequency: 3216 & 4625 kHz

09-07, 1317 UTC,
 09-07, 1238 UTC
 13-07, 1303 UTC
 13-07, 1255 UTC
 13-07, 0832 UTC
 13-07, 0751 UTC
 20-07, 0804 UTC

MDZhB 06 870 CYeLOKOIN 2331 6092
 MDZhB 61 913 BYeLOPOLYeC 5161 2120
 MDZhB 67 991 KYeIMICIN 2507 8109
 MDZhB 52 289 DYeKANTACIYa 9426 7359
 MDZhB 43 340 BYeKACHINYI 5969 0839
 MDZhB 18 327 BYeKMANIYa 5088 5652
 MDZhB 22 482 CYeZARIZM 6030 8044. Marker up in the middle of transmission

20-07, 0759 UTC	MDZhB GYeOLOGiYa 70 32
27-07, 1535 UTC	MDZhB 82 940 FYeRBIDOL 0378 0941
27-07, 1613 UTC	MDZhB 65 392 ZYeAZIN 0184 6202
27-07, 1635 UTC	MDZhB 50 556 ADOPTACiYa 0753 9030
27-07, 1710 UTC	MDZhB 77 517 UDOBNYJ 6461 8101



S30 - The Pip

Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

3756 kHz, 01-07, 1834 UTC	8CSHchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O
3756 kHz, 21-07, 1844 UTC	JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK
5448 kHz, 27-07, 1556 UTC	8S1Shch 54 316 IKRYaNIK 6404 3791
5448 kHz, 27-07, 1614 UTC	8S1Shch 50 461 OKRUZhKAN 1665 2299
5448 kHz, 27-07, 1639 UTC	8S1Shch 34 023 STYDLIVYeC 0631 8952
5448 kHz, 27-07, 1709 UTC	8S1Shch 53 101 VISKARDAN 9236 1327
3756 kHz, 27-07, 1856 UTC	HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P
3756 kHz, 30-07, 1804 UTC	N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM
5448 kHz, 28-07, 1725 UTC	8S1Shch ZAKAT 34 42
3756 kHz, 29-07, 2001 UTC	M7KS PMV5 L'GJ KZl' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5
5448 kHz, 29-07, 1716 UTC	8S1Shch 04 639 RAZRYeZKA 9933 0708



S32 - Squeaky Wheel

Mode: USB
Frequencies: 3838 kHz (night), 5473 kHz (day)

7009 kHz, 01-07, 0801 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
3828 kHz, 01-07, 1840 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40 DUBLYoR-68 STUPA-32
7009 kHz, 02-07, 0940 UTC	ALFA-45 85 970 PODSTRUZhKA 8230 9994
7009 kHz, 02-07, 0825 UTC	ALFA-45 99 537 ZAHOLUST'Ye 1284 6179
7009 kHz, 03-07, 0826 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on background
7009 kHz, 06-07, 1237 UTC	ALFA-45 99 628 MARKATO 7306 0434 with PIP (S30) and ZAS telegraph printer on background
7009 kHz, 07-07, 0847 UTC	ALFA-45 02 544 VINOPROVOD 7148 8989 with PIP (S30) on background
7009 kHz, 13-07, 0610 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39
7009 kHz, 13-07, 0751 UTC	ALFA-45 52 229 STONAVA 2435 0202
7009 kHz, 13-07, 0837 UTC	ALFA-45 45 547 RADIOLOG 4266 1177 Error on the first read
7009 kHz, 13-07, 0845 UTC	ALFA-45 45 747 RADIOLOG 4266 1177 Repeat of 0837 UTC, signal number has been corrected
7009 kHz, 16-07, 0753 UTC	ALFA-45 39 207 STYaZhOK 7418 8527
7009 kHz, 16-07, 0806 UTC	ALFA-45 43 275 BYeRDChANIN 4953 4154 with PIP (S30) on background
7009 kHz, 16-07, 0818 UTC	ALFA-45 80 508 LYeSISTYJ 3912 1505 with PIP (S30) on background
3828 kHz, 20-07, 1119 UTC	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 with PIP (S30) on background
7009 kHz, 20-07, 1149 UTC	ALFA-45 11 935 MYeRChINSON 2256 8259
7009 kHz, 20-07, 1705 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on background
7009 kHz, 21-07, 0736 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
7009 kHz, 21-07, 0800 UTC	ALFA-45 91 385 FRUKTOFShchIK 2093 9389
7009 kHz, 21-07, 0851 UTC	ALFA-45 60 845 POLUMYeTAL 3164 0324 with PIP(s30) on background
7009 kHz, 21-07, 1020 UTC	ALFA-45 42 489 CIBULYa 9056 9182
7009 kHz, 21-07, 1101 UTC	ALFA-45 47 912 PYeRYeKATKA 2860 1178
7009 kHz, 21-07, 1119 UTC	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on background
7009 kHz, 22-07, 0800 UTC	KURGAN-40 DUBLYoR-68 STUPA-32 Play00:00...
7009 kHz, 22-07, 0952 UTC	ALFA-45 48 756 SGOVORKA 4765 3685 with PIP (S30) on background
7009 kHz, 22-07, 1030 UTC	ROSA-64 DZhIGIT-46 OTPOR-89 FONTAN-34 with PIP (S30) on background
7009 kHz, 24-07, 0724 UTC	STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39

7009 kHz, 24-07, 1023 UTC ALFA-45 32 241 BILYeJ 4618 9665 Nice fail in signal reading. Pip on background
7009 kHz, 27-07, 1029 UTC STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 error in reading
7009 kHz, 24-07, 1057 UTC ALFA-45 36 032 KINAZ 1576 7845 with PIP (S30) on background
7009 kHz, 27-07, 1101 UTC ALFA-45 76 907 SINYeRGIST 1210 8905
7009 kHz, 27-07, 1109 UTC ALFA-45 55 071 LOMShchIK 2184 4100
7009 kHz, 27-07, 1557 UTC ALFA-45 15 177 ARGIRODIT 4105 1561
7009 kHz, 27-07, 1614 UTC ALFA-45 85 649 SYeRDYuGA 2676 4571
7009 kHz, 27-07, 1639 UTC ALFA-45 91 553 UMYVAL'NIK 2403 5656
7009 kHz, 27-07, 1712 UTC ALFA-45 41 712 PARABYeL' 7573 0907 with PIP (S30) on background
3828 kHz, 27-07, 1901 UTC PYeNZh-07 SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 with PIP on background
7009 kHz, 30-07, 1611 UTC ALFA-45 27 116 BANANNIK 3687 2600 with PIP (S30) on background
7009 kHz, 30-07, 1542 UTC ALFA-45 04 208 GRADINKA 5575 3278 with PIP (S30) on background
7009 kHz, 29-07, 1721 UTC ALFA-45 96 617 KAGAYaN 6874 6374 with PIP (S30) on background
7009 kHz, 28-07, 1841 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
7009 kHz, 28-07, 1700 UTC PYeSOChNYJ-21 ShULER-60 PYeNZh-07 KURGAN-40 DUBLYoR-68 STUPA-32
3828 kHz, 29-07, 1845 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 with PIP (S30) on background
7009 kHz, 29-07, 0828 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 with PIP (S30) on background
3828 kHz, 30-07, 1859 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
7009 kHz, 30-07, 1743 UTC STUPA-32 STOROZh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on background
7009 kHz, 30-07, 0528 UTC ALFA-45 VYHODYeC 53 24



S5292

**Frequencies: 5252 kHz USB (voice)
5252.3 kHz CW (channel marker)**

01-07, 1335 UTC FAZAN-37 36 982 BIOLOG 4326 9675
01-07, 1419 UTC FAZAN-37 09 339 ZRYeLISchYe 2213 7474 Counting before the signal
01-07, 1603 UTC Test count 1 2 3 4 5 6 7 8 9 0
06-07, 1942 UTC Channel marker "B"
13-07, 1925 UTC Channel marker "B"
16-07, 1637 UTC Channel marker "B"
20-07, 1921 UTC Channel marker "B"
22-07, 0801 UTC BARZHA-08 58 389 KOVKA 2532 9437
22-07, 0803 UTC BOYeC-43 58 389 KOVKA 2532 9437
27-07, 0804 UTC SYeKRYeT-39 49 944 POVYShYeNIYe 2531 4876
27-07, 0810 UTC RYeGATA-75 89 629 USPYeSHNYJ 6782 3927
28-07, 1436 UTC Test count 1 2 3 4 5 6 7 8 9 0
28-07, 1705 UTC Channel marker "B" sends also sometimes "D"
28-07, 1936 UTC Channel marker now mainly sending "D" and occasionally "B"
29-07, 2032 UTC Channel marker now mainly sending "D" and occasionally "B"



V13 - New Star Broadcasting Station **星星廣播電台 Xīngxīng guǎngbò diàntái**

Frequencies: 7654, 7688, 8300, 9276, 9522, 9725, 10182, 10522, 11430, 13750, 15388 kHz

Partly unconfirmed new schedules. Please let us know if you hear the station.

15388 kHz	0200-0230 UTC	New Star 1	11430 kHz	0700-0730 UTC	New Star 4
15388 kHz	0300-0330 UTC	New Star 1	11430 kHz	0800-0830 UTC	New Star 4
15388 kHz	0400-0430 UTC	New Star 2	7502 kHz	1200-1230 UTC	New Star 4
11430 kHz	0500-0530 UTC	New Star 3	7502 kHz	1300-1330 UTC	New Star 4
11430 kHz	0600-0630 UTC	New Star 3			



V24

We received a note from Token about V24. He writes:

The last V24 transmission I received was on June 16, 2015. I have continued to search and record spectrum, in the hopes V24 is only taking a little rest or has changed all of its frequencies at once, but it is beginning to look like V24 has gone the way of its sibling, M94, back in November of 2013.

For reference, V24 has missed days, even a week or two, of operation in the past. It has also changed frequencies before. However, it has never missed 5+ weeks or changed all of its frequencies at one time, so I suspect V24 is inactive for some reason. Will it come back remains to be seen.

It might be worth noting, there had been some recent audio and transmission anomalies. Cross talk heard in the audio had become more common, both jammer audio and Echo of Hope audio in the background of V24 had been a regular feature before my last reception. Some signal amplitude steps and changes were hard to blame on propagation. So I suppose it is possible they are revamping the systems, or have / are moving to new facilities. Time will tell.

V24 Logs for June, 2015:

V24, 5715 kHz, 1330z, June 05 2015, Token, Fri
 V24, 6310 kHz, 1430z, June 05 2015, Token, Fri
 V24, 6215 kHz, 1330z, June 06 2015, Token, Sat
 V24, 6310 kHz, 1430z, June 06 2015, Token, Sat
 V24, 4900 kHz, 1500z, June 08 2015, Token, Mon
 V24, 4900 kHz, 1500z, June 09 2015, Token, Tue
 V24, 5715 kHz, 1330z, June 10 2015, Token, Wed
 V24, 6215 kHz, 1330z, June 11 2015, Token, Thur
 V24, 4900 kHz, 1500z, June 11 2015, Token, Thur
 V24, 5715 kHz, 1330z, June 15 2015, Token, Mon
 V24, 6310 kHz, 1430z, June 15 2015, Token, Mon
 V24, 6215 kHz, 1330z, June 16 2015, Token, Tue
 V24, 6310 kHz, 1430z, June 16 2015, Token, Tue

Nothing heard after June 16, 2015.

T!

Mojave Desert, California, USA



VC01 - Chinese Robot **Chinese Air Defense**

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 3749, 3837, 4075, 4140, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5114, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5461, 5466, 5471, 5592, 5700, 5740, 5742, 5799, 5802, 5820, 5832, 5892, 6209, 6479, 6771, 6840, 6858, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8046, 8170, 8346, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

MORSE STATIONS



MX **Russian Military beacons**

Current cluster frequencies:

3594, 4558, 5154, 7039/7508, 8495, 10872, 13528, 16332, 20048 kHz

Other frequencies:

L 6917.5, 8497.8 kHz

V 3658, 4150, 6809, 6928, 7027.5 kHz

R 5466 kHz

W, R, N, G, C, K, Z, L, V, Ü 5620, 5835, 8029, 8112, 8162, 8895 kHz (Tu-Bear net)

Cluster beacon slots:

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

.0 "C", Moscow

.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan



M03

7837 kHz, 02-07/05-7, 1320 UTC

437/32 = =

15670 15670 76919 76919 49999 49999 60282 60282 15225 15225
29387 29387 00580 00580 11870 11870 61367 61367 42716 42716
01809 01809 03759 03759 87273 87273 50659 50659 83255 83255
04407 04407 38121 38121 59983 59983 85090 85090 73393 73393
70222 70222 61223 61223 07455 07455 13118 13118 60340 60340
04055 04055 35388 35388 29293 29293 16970 16970 66862 66862
38300 38300 44859 44859

= = 437/32 437/32 437/32 437/32 = =

15670 76919 49999 60282 15225 29387 00580 11870 61367 42716
01809 03759 87273 50659 83255 04407 38121 59983 85090 73393
70222 61223 07455 13118 60340 04055 35388 29293 16970 66862
38300 44859

= = 0 0 0

15632 kHz, 03-07/05-07, 1420 UTC

877/38 = =

89772 89772 88129 88129 63913 63913 48087 48087 29708 29708
27093 27093 79586 79586 23382 23382 68049 68049 06039 06039
56340 56340 73674 73674 14622 14622 49024 49024 68153 68153
12505 12505 72907 72907 25728 25728 87229 87229 51793 51793
68924 68924 34195 34195 03510 03510 55079 55079 44006 44006
61063 61063 67960 67960 44988 44988 55287 55287 36315 36315
55384 55384 19183 19183 41876 41876 00820 00820 89087 89087
21816 21816 81202 81202 72906 72906

= = 877/38 877/38 877/38 877/38 877/38 = =

89772 88129 63913 48087 29708 27093 79586 23382 68049 06039
56340 73674 14622 49024 68153 12505 72907 25728 87229 51793
68924 34195 03510 55079 44006 61063 67960 44988 55287 36315
55384 19183 41876 00820 89087 21816 81202 72906

= = 0 0 0

7727 kHz, 13-07/15-07, 1320 UTC

541/34 = =

33310 33310 20396 20396 81874 81874 07147 07147 29699 29699
31424 31424 95978 95978 40005 40005 12959 12959 61538 61538
38115 38115 47032 47032 10117 10117 69597 69597 06634 06634
61909 61909 04544 04544 82395 82395 71906 71906 13088 13088
71958 71958 97111 97111 41608 41608 70879 70879 05847 05847
49688 49688 93784 93784 81993 81993 69535 69535 88862 88862
30551 30551 12848 12848 08028 08028 57578 57578

= = 541/34 541/34 541/34 541/34 541/34 = =

33310 20396 81874 07147 29699 31424 95978 40005 12959 61538
38115 47032 10117 69597 06634 61909 04544 82395 71906 13088
71958 97111 41608 70879 05847 49688 93784 81993 69535 88862
30551 12848 08028 57578

= = 0 0 0



M12

11491 kHz, 02-07, 1740 UTC

725 1 1476 117

02330 60719 12864 16509 65398 79053 24986 70982 88256 13694
16543 22875 64070 70210 63102 51829 52636 94803 53281 30897
73964 94818 56253 17245 72049 19131 65631 89967 95454 85696
67250 29844 44632 27632 63072 43717 24095 73104 76418 87841
89310 78609 26578 13872 52405 15635 37090 70131 92631 23392
94776 76554 27043 00551 09103 72328 45662 93842 39283 04915
17230 50222 35724 13606 55781 53798 49160 91093 36679 49727
71782 67832 72026 62184 12035 06465 73857 01055 63989 84630
52994 83071 34541 38213 98383 08194 63606 11671 69637 83548
88857 19178 45750 10944 03705 76809 85452 27233 26269 01904
80606 82339 07297 34705 72118 03254 76533 27468 60126 34023
32838 20300 04198 24907 93510 98744 61114

000 000

9176/7931 kHz, 15-07, 1800/1820 UTC

257 1 8319 142

38879 15599 48240 33859 61849 71464 99827 70833 10575 83051
24658 88043 15170 75112 01439 38568 87165 19129 94134 46494
50465 76016 57851 28147 32939 08722 71974 93822 06466 68251
99079 54957 76818 27817 25088 85174 92932 16841 77561 99290
79105 26406 31058 71934 55705 98675 73846 90503 66226 13943
36793 62830 28451 31388 05944 99588 95154 49264 03323 84315
77171 03605 85810 25766 79730 36119 89465 57040 83863 66665
55337 52388 85623 05813 78364 52564 04865 00767 90919 30501
09684 58931 06434 92531 50985 18943 90537 12689 10435 30263
33081 51136 23397 29094 65979 26452 55995 02239 60030 88588
26699 21152 87930 57176 52565 03432 02584 91405 61603 55783
80623 64901 25573 16870 57810 04737 12469 29488 75982 40671
66797 64927 40237 72129 50560 31299 55690 60122 03978 85395
55317 43188 24764 06420 75819 90347 22331 64136 08323 61051
33302 07476

000 000

13926/12126/10926 kHz, 16-07/18-07, 1310/1330/1350 UTC

919 1 5167 209

72446 13525 51827 75127 69933 60914 44591 29214 79012 82513
94801 86577 50055 93570 56448 77647 91210 84257 02101 74848
32021 28312 25317 89177 15237 60840 10086 31441 73194 84616
78406 28834 20779 32995 43024 36409 42149 72672 33582 57297
43247 16115 19827 44506 24265 78703 38182 10792 84056 01358
97457 96105 71768 59203 47910 20020 11009 34363 92355 92993
94030 75908 56282 79830 52076 03937 62596 13569 77484 80756
18666 10209 05715 19376 89330 80342 97245 17469 04396 32962
97434 81145 64170 92966 45029 93011 47932 15873 95092 83239
04532 20143 46461 32640 75782 09684 25051 43797 33309 21980
55608 10483 04092 80591 37788 71749 76854 20863 28500 75976
03766 36454 81458 10358 25441 61231 88202 39258 03840 15492
13628 78274 96984 22674 49046 86766 17281 32030 63655 71265
19541 74693 27702 68419 93891 46124 62095 64510 41895 74170
79971 82144 25748 07875 28768 50053 58774 13810 18266 86987
19072 65917 96228 40606 21582 68857 36888 46019 18277 22586
07134 01039 34868 13792 80482 83627 55011 10188 91603 70782
78893 35566 67357 14778 92122 93591 23378 42473 40834 79810
42729 82473 43149 20313 08981 83969 17674 85421 82941 50860
91079 97527 84835 73204 86056 29575 47569 79058 98053 81479
14892 80490 86500 29663 45681 27979 99869 85233 99299
000 000

8047/6802/5788 kHz, 22-07, 1900/1920/1940 UTC

463 1 1761 145

39639 14697 39791 72530 58577 60613 10081 85853 55159 24163
53831 37823 51005 66866 44138 23041 40379 72060 40954 64918
97380 58953 85903 51507 84140 16570 20007 41439 19202 44856
40411 60917 12870 86034 86419 83083 25288 83589 88067 70006
04305 50463 01069 24583 28091 04601 33915 11726 86968 46133
51050 40570 60104 28929 14697 17397 15537 54423 90347 29167
33464 74508 82362 85103 88857 77765 68312 01542 35515 13781
02951 16831 72754 22492 34656 84702 07022 83619 82922 51514
61734 41617 95021 48253 15253 85972 67943 49820 85937 77345
46089 47738 43614 05669 96156 49417 65637 52941 62070 61481
71056 78408 72837 42859 13280 38017 98302 69011 46203 08255
03861 52647 52117 05917 12723 01227 08070 74550 66613 36631
00935 77181 27924 86066 55145 60000 15723 81253 56233 30453
70971 31642 23089 22030 97544 68357 18679 68619 91060 66652
10976 61178 75379 53744 13099
000 000

11435/10598 kHz, 22-07, 1930/1950 UTC

938 1 3693 58

69925 43569 63678 33465 45586 88774 83876 87073 48937 41138
97937 48877 98563 30148 94892 85987 09642 25036 33474 69778
66975 16262 30467 13189 65621 56258 52996 36041 20101 48129
67812 30513 95572 52863 43852 78249 75004 68025 06749 46892
49231 67127 01483 77207 35737 89873 01976 29954 83083 12860
61333 17833 28343 39060 10146 92049 46729 87299
000 000

9176/7931/6904 kHz, 22-07, 1800/1820/1840 UTC

257 1 5885 142

26334 44691 14793 98328 61490 08986 08060 23089 09387 30297
97737 94446 76611 09082 78677 86648 69174 95053 33862 22616
16563 12540 33143 43462 30514 20136 01124 59698 73493 30721
32270 12909 53303 44845 17657 88925 54268 84889 93713 32350
28357 31297 66969 00467 37038 27463 87562 45945 03093 36042
42909 22823 46441 20812 41971 54310 94617 82396 83401 73241
81494 44783 94967 38948 48998 01389 34188 13864 37952 91306
70064 99468 81400 21908 52916 74867 96945 14017 33093 29055
19971 52059 26727 26699 09874 73481 47635 35594 19790 75802
74455 23111 10010 28512 21844 93648 78749 02759 14958 89576
45895 95167 86297 12504 77412 92290 78854 17281 38833 96289
34023 68237 73109 37987 88669 28844 14288 08279 60043 04508
70222 79509 25983 86804 24095 45651 43737 29499 29693 28379
80869 08601 07085 95657 82974 65261 62377 96836 94009 78170
89985 01585
000 000

13386/12189/11491 kHz, 23-07, 1700/1720/1740 UTC

725 1 3129 104

31166 37635 87354 39120 44497 24799 02167 35073 15541 38277
21191 02487 53827 96589 80635 02800 30272 47286 11965 35824
31561 81256 78071 70864 43979 07387 62681 53877 90555 19168
10841 66635 12348 12080 03764 01897 57025 64910 84753 81231
66402 63078 15227 55977 88759 24669 69228 83456 97642 98098
21786 72598 71840 49350 39672 80014 56405 08210 98309 22615
15682 29226 36778 70822 81506 80593 65033 91933 47253 63149
54436 87205 24218 08325 29778 29084 49852 07387 43472 72818
80730 97394 04302 73949 99488 80731 75572 49021 51292 05139
35140 51717 03462 24186 98012 88397 67270 43400 81435 71467
73756 88060 20224 86466
000 000

12205/13559/14728 kHz, 27-07, 1100/1120/1140 UTC

973 1 3581 131

38091 07761 47441 77918 90830 00009 38854 18577 33850 95960
71511 99361 80342 70056 46361 68950 89131 26161 20303 06099
44917 38877 67858 14529 72586 35930 80357 58538 33683 91914
79874 94014 52326 30199 75689 93497 00016 56442 71397 74900
00114 66661 90383 85468 13221 20537 16570 54520 83588 55977
60105 48382 83488 02428 38688 43226 50231 82096 82409 66772
50288 40353 14367 44727 07324 41622 00983 41910 72609 18757
96238 76875 55908 75678 80521 67153 03560 76838 58367 66540
93852 76227 12626 56746 30540 64565 97130 72607 39835 89184
76629 38320 70180 18118 32457 07759 73943 75651 09526 62389
35202 53493 31340 05323 43427 20637 33988 16032 40735 20820
88604 00128 73765 86474 21964 08885 55971 30124 10642 92468
64618 99862 06284 88156 45087 05744 80726 93598 22666 79385
22560
000 000

9176/7931/6904 kHz, 29-07, 1800/1820/1840 UTC

257 1 2455 135

36637 12353 19519 16340 46921 26920 69850 91519 86015 45154
17112 82932 01160 16643 37978 33622 68171 96535 10228 37789
59889 46759 79560 66248 81424 90589 31002 22849 28642 69309
55065 54734 59890 75670 57725 31169 39210 34924 92163 88608
64993 81903 22218 68744 29525 04630 62778 15931 85458 16709
28168 03265 18211 50844 27736 67090 36225 94635 39693 87397
97785 86546 50323 42082 19695 34564 83091 00355 90251 95363
35743 14145 24501 60526 11804 62104 82554 63146 51402 21010
77687 39491 28418 90894 83534 01564 18892 38480 18413 61871
86920 11149 10904 62893 98243 22790 58932 62224 39025 00592
29794 36382 83395 85755 52611 32291 04650 80814 36947 95933
96585 42658 49185 07216 91143 18120 56081 45950 97677 29030
34060 94358 74408 21566 33863 31256 66525 48843 81360 18285
97060 32517 96768 32565 95154
000 000

8047/6802/5788 kHz, 29-07, 1900/1920/1940 UTC

463 1 7414 153

08708 58292 19970 74286 89317 95976 55094 17995 73296 68138
52269 47808 42663 10137 21780 83259 69676 34042 62440 47776
43450 05575 61334 81447 11788 27359 21872 72139 27320 84692
93613 47740 57070 49851 77183 37848 10784 42479 40358 78078
09167 34823 75300 76614 01211 42639 46972 48508 96990 37752
38464 00856 50646 67948 03038 62215 33675 59729 83178 07139
32925 14664 31763 60670 73370 43376 91484 55352 38242 88166
23359 14329 23648 42340 31833 77213 83593 39765 73612 53161
85624 00696 80853 63153 38419 70654 98768 36611 51872 18845
13685 85252 88689 24434 50599 75827 15404 68945 40709 01883
51744 78591 61381 25255 74350 41578 30541 62361 57681 11286
94612 36224 51251 54105 73582 91736 48664 78184 45958 09968
93197 71200 53849 10038 13570 62258 20779 56589 79745 60197
05915 33281 21813 61031 31007 80584 33278 45274 50071 82370
03010 86126 54863 68321 65288 54052 37009 73611 47258 55637
72617 39694 99871
000 000

10926 kHz, 30-07, 1350 UTC

919 1 9874 147

86361 58869 07212 65424 32624 99321 39825 82648 71953 33630
63120 86732 25821 34652 42909 32821 10552 56731 62513 85887
39032 63053 54432 38075 96890 08891 80385 25745 27803 09700
99986 04806 72045 77742 04900 71869 61634 47198 88100 66959
94003 75988 86886 54812 70396 30401 12467 80636 76204 03826
73012 63808 20247 00482 38045 45156 56154 62052 36990 37374
85404 68208 06673 06118 14161 44449 76451 34734 31200 77753
46619 28918 95412 68336 07418 24660 90207 23857 02002 81631
44524 58094 46748 06566 94905 70352 24927 43913 74112 08301
59041 14035 80040 59606 61603 93074 31390 07061 45245 62770
54069 05964 44658 81343 64206 2x082 95248 36277 46355 09988
36342 75865 06534 79009 61520 95380 59667 78558 36026 08833
81285 14068 23123 21952 99304 81629 72090 48662 94880 30721
30945 25859 94876 59192 49267 20532 34863 83966 66366 81087
83236 65570 77125 85576 35911 67109 89718
000 000

11435/10598 kHz, 29-07, 1930/1950 UTC

938 1 1463 59
83857 99431 93110 94436 46299 72601 70087 82418 56036 57516
25053 94848 87157 28013 69993 14998 52327 25430 65052 95433
00704 26526 70415 71891 65583 53465 25373 71179 87188 39404
29008 06419 75605 62001 62251 97936 75731 46211 92526 52097
25350 55918 68618 41000 08088 26757 38951 52368 10816 78901
99441 28546 87560 06115 55005 45620 33574 03904 80693
000 000

11491 kHz, 30-07, 1740 UTC

725 1 8688 104
53693 06743 92834 72609 61205 08529 78811 05381 26481 29575
19369 81845 54294 66182 58796 54423 03522 85883 36935 76313
69659 78941 09711 52519 00618 85916 72058 79189 23383 72613
81659 09035 29383 79660 63634 28170 25813 48540 72640 23387
73525 68751 40881 50889 17410 56979 43382 37597 42683 85311
03782 22086 74808 04680 97289 16685 58818 37628 03485 35857
85435 90011 16165 45189 81607 94402 80634 00710 58622 45986
40206 83032 57670 97712 30201 40060 58633 17241 81085 92653
47878 58259 34926 94350 25982 40460 85226 59118 70535 11747
55766 82142 85163 01389 25598 35622 14349 32234 13929 12358
64403 65559 75376 70171
000 000



M14

5240 kHz, 05-07, 2300 UTC. Starts with errors.

376 (R4) 524 524 020 020 (pauses 19 secs) 524 524 020 020 (pauses 17 secs, skips 1,5 group)
295 26704 26704 14838 14838 56438 56438 79563 79563
29243 29243 87610 87610 83815 83817 86096 86096 29313 29313
36191 36191 62701 62701 76747 76747 74420 74420 15841 15841
41958 41958 10736 10736 14238 14238 26365 26361 23051 23051
524 524 020 020 00000

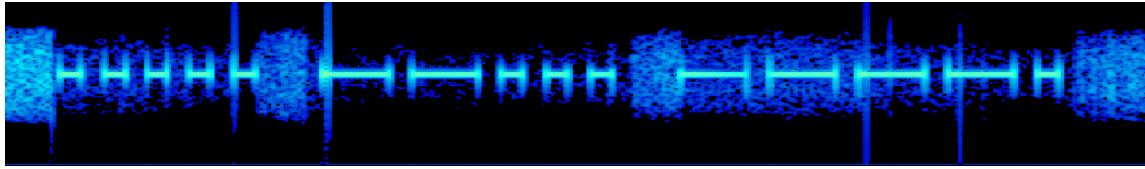
5826 kHz, 06-07/27-07, 0000 UTC

376 (R4) 524 524 020 020
93295 93295 26704 26704 14838 14838 56438 56438 79563 79563
29243 29243 87610 87610 83815 83817 86096 86096 29313 29313
36191 36191 62701 62701 76747 76747 74420 74420 15841 15841
41958 41958 10736 10736 14238 14238 26365 26361 23051 23051
524 524 020 020 00000

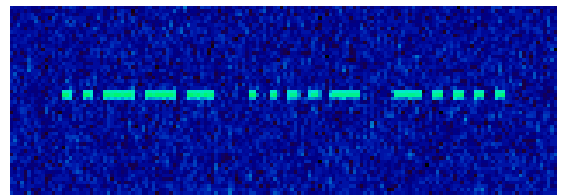
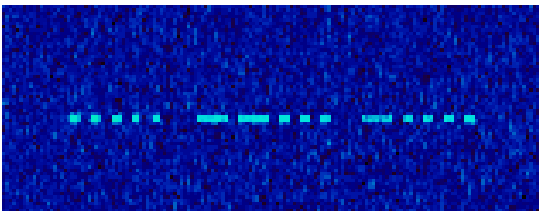


M23

On 5 July "433" and on 6 July "888" were heard by Danix, both only once. No messages. Later 128, 246, 576, and 579 were transmitted.



8030 kHz, 05-07, 1559 UTC	579 (R7) //9069 kHz	8030 kHz, 20-07, 1629 UTC	246 (R15) //9069 kHz
8030 kHz, 10-07, 0559 UTC	579 (R12)	8030 kHz, 21-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 10-07, 0630 UTC	579 (R12) //9069 kHz	8030 kHz, 21-07, 0559 UTC	246 (R15) //not heard
8030 kHz, 10-07, 1529 UTC	579 (R12)	8030 kHz, 21-07, 0629 UTC	579 (R12) //9069 kHz
8030 kHz, 10-07, 1629 UTC	579 (R12) //9069 kHz	8030 kHz, 21-07, 1529 UTC	579 (R12) //9069 kHz
8030 kHz, 11-07, 0529 UTC	579 (R12) //not heard	8030 kHz, 21-07, 1559 UTC	246 (R15) //9069 kHz
8030 kHz, 11-07, 0559 UTC	579 (R12) //not heard	8030 kHz, 21-07, 1629 UTC	579 (R12) //9069 kHz
8030 kHz, 11-07, 0629 UTC	579 (R12) //9069 kHz	8030 kHz, 22-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 12-07, 0629 UTC	579 (R12) //9069 kHz	8030 kHz, 22-07, 0559 UTC	246 (R15) //9069 kHz
8030 kHz, 12-07, 1629 UTC	579 (R12) //9069 kHz	8030 kHz, 22-07, 0629 UTC	579 (R12) //9069 kHz
8030 kHz, 13-07, 0529 UTC	579 (R12) //not heard	8030 kHz, 22-07, 1529 UTC	579 (R12) //9069 kHz
8030 kHz, 13-07, 0559 UTC	579 (R12) //not heard	8030 kHz, 22-07, 1559 UTC	246 (R15) //9069 kHz
8030 kHz, 13-07, 0629 UTC	579 (R12) //9069 kHz	8030 kHz, 22-07, 1629 UTC	579 (R12) //9069 kHz
8030 kHz, 13-07, 1559 UTC	579 (R12) //9069 kHz	8030 kHz, 23-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 13-07, 1629 UTC	579 (R12) //9069 kHz	8030 kHz, 23-07, 0559 UTC	579 (R12) //9069 kHz
8030 kHz, 14-07, 1529 UTC	579 (R12) //9069 kHz	8030 kHz, 23-07, 0629 UTC	579 (R12) //9069 kHz
8030 kHz, 14-07, 1559 UTC	579 (R12) //9069 kHz	8030 kHz, 23-07, 1529 UTC	579 (R12) //9069 kHz
8030 kHz, 14-07, 1629 UTC	579 (R12) //9069 kHz	8030 kHz, 23-07, 1559 UTC	579 (R12) //9069 kHz
8030 kHz, 15-07, 0529 UTC	579 (R12) //not heard	8030 kHz, 23-07, 1629 UTC	579 (R12) //9069 kHz
8030 kHz, 15-07, 0559 UTC	579 (R12) //not heard	8030 kHz, 24-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 15-07, 0629 UTC	579 (R12) //9069 kHz	8030 kHz, 24-07, 0559 UTC	579 (R13) //9069 kHz
8030 kHz, 15-07, 1529 UTC	579 (R12) //9069 kHz	8030 kHz, 24-07, 0629 UTC	579 (R12) //9069 kHz
8030 kHz, 15-07, 1559 UTC	579 (R12) //9069 kHz	8030 kHz, 24-07, 1559 UTC	579 (R12) //9069 kHz
8030 kHz, 15-07, 1629 UTC	579 (R12) //9069 kHz	8030 kHz, 24-07, 1630 UTC	579 (R12) //9069 kHz
8030 kHz, 16-07, 0529 UTC	579 (R12) //9096 kHz !!	8030 kHz, 25-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 16-07, 0559 UTC	579 (R12) //9096 kHz !!	8030 kHz, 25-07, 0559 UTC	579 (R12) //9069 kHz
8030 kHz, 16-07, 0629 UTC	579 (R12) //9069 kHz	8030 kHz, 25-07, 0629 UTC	579 (R12) //9069 kHz
8030 kHz, 17-07, 1159 UTC	128 (R12)	8030 kHz, 25-07, 1559 UTC	579 (R12) //9069 kHz
8030 kHz, 18-07, 0529 UTC	246 (R15) //9069 kHz	8030 kHz, 25-07, 1629 UTC	579 (R12) //9069 kHz
8030 kHz, 18-07, 0559 UTC	576	8030 kHz, 26-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 18-07, 0629 UTC	246 (R15) //9069 kHz	8030 kHz, 26-07, 0559 UTC	579 (R13) //9069 kHz
8030 kHz, 18-07, 1529 UTC	246 (R15) //9069 kHz	8030 kHz, 26-07, 0629 UTC	579 (R12) //9069 kHz
8030 kHz, 18-07, 1559 UTC	576 (R15) //9069 kHz	8030 kHz, 26-07, 1529 UTC	579 (R12) //9069 kHz
8030 kHz, 18-07, 1629 UTC	246 (R15) //9069 kHz	8030 kHz, 26-07, 1559 UTC	246 (R15) //9069 kHz
8030 kHz, 19-07, 0529 UTC	246 (R15) //9069 kHz	8030 kHz, 26-07, 1629 UTC	579 (R12) //9069 kHz
8030 kHz, 19-07, 0559 UTC	576 (R15) //9069 kHz	8030 kHz, 27-07, 0529 UTC	579 (R12) //9069 kHz
8030 kHz, 19-07, 0629 UTC	246 (R15) //9069 kHz	8030 kHz, 27-07, 0559 UTC	579 (R13) //9069 kHz
8030 kHz, 19-07, 1529 UTC	246 (R15) //9069 kHz	8030 kHz, 27-07, 0629 UTC	//9069 kHz not heard on both freqs
8030 kHz, 19-07, 1559 UTC	576 (R15) //9069 kHz	8030 kHz, 27-07, 1529 UTC	579 (R12) //9069 kHz
8030 kHz, 19-07, 1629 UTC	246 (R15) //9069 kHz	8030 kHz, 27-07, 1559 UTC	//9069 kHz not heard on both freqs
8030 kHz, 20-07, 0529 UTC	246 (R15) //9069 kHz	8030 kHz, 27-07, 1629 UTC	579 (R12) //9069 kHz
8030 kHz, 20-07, 0559 UTC	576 (R15) //9069 kHz	Not heard after 27 July	
8030 kHz, 20-07, 1529 UTC	246 (R15) //9069 kHz		
8030 kHz, 20-07, 1559 UTC	576 (R15) //9069 kHz		





M89

Chinese military

Stations and strings:

V A7TR A7TR A7TR DE DI9Q DI9Q	V PGG9 PGG9 PGG9 DE MI6Y MI6Y	8GRD
V 5RAB 5RAB 5RAB DE M9AB M9AB	V RA5J RA5J RA5J DE BP2S BP2S	ND5B
V 7NPE 7NPE 7NPE DE QV5B QV5B	V RXP7 RXP7 RXP7 DE CZT2 CZT2	CYA4
V 6TRW 6TRW 6TRW DE J9NS J9NS	V S2LZ S2LZ S2LZ DE YBA6YBA6	5JY4 DE Q9JX
V 7NPE 7NPE 7NPE DE QV5R QV5R (faulty txm)	V SR3H SR3H SR3H DE FGH8 FGH8	SIRA
V 8CPZ 8CPZ 8CPZ DE XW6W XW6W	V SXL6 SXL6 SXL6 DE 9QFZ 9QFZ	JYM4 DE Q9JX
V 8DKB 8DKB 8DKB DE ODY8 ODY8	V TKLO TKLO TKLO DE TYUI TYUI	3YM4 JYD4 DE Q9JX
V 8PEX 8PEX 8PEX DE TI5F TI5F	V TY9D TY9D TY9D DE EOX2 EPX2	JYM4 DE Q9JX
V BNGC BNGC BNGC DE XSV85 XSV85	V VTX7 VTX7 VTX7 DE TZ7B TZ7B	D7UX
V BIQ9 BIQ9 BIQ9 DE ISL2 ISL2	V VXL1 VXL1 VXL1 DE XIW2 XIW2	2VNG
V BRH0 BRH0 BRH0 DE 8NGG 8NGG	V WZG6 WZG6 WZG6 DE 4VTG 4VTG	24NG
V B9SR B9SR B9SR DE AL6R AL6R	V YUQW YUQW YUQW DE ASDF ASDF	CP47
V CQ CQ CQ DE DP91 DP91	V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0	QGOK
V CQ CQ CQ DE DP0491 DP0491	V N4FM5 N4FM5 N4FM5 DE DUT491 DUT491	WIWH
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP	GE20 DE IJV8
V DKSL DKSL DKSL DE ALSK ALSK	V QHV8 QHV8 QHV8 DE 8QPP 8QPP	SQU8 DE IJV8K
V DKIL DKIL DKIL DE ALSK ALSK (faulty txm)	V VV VV VV DE NYZ NYZ	CJO3 DE IJV8K
V DP9J DP9J DP9J DE CQ CQ	V DKSL DKSL DKSL DE ALSK ALSK	JX8C DE IJV8K
V EI0B EI0B EI0B DE JHG2 JHG2	V 3A3J 3A3J 3A3J DE B4ZJ B4ZJ	WNF DE FXM
V GKLO GKLO GKLO DE TYUI TYUI	V HER6 HER6 HER6 DE WU6L WU6L	
V GKN7 GKN7 GKN7 DE F3J5 F3J5	V BR3S BR3S BR3S DE JU9D JU9D	
V H2FL H2FL H2FL DE DRV8 DRV8	V DGG6 DGG6 DGG6 DE 3A7D 3A7D (faulty ?)	
V JKD JKD JKD DE SLBC SLBC	V TY9D TY9D TY9D DE EPX2 EPX2	
V M8JF M8JF M8JF DE RIS9 RIS9	V VV VV VV 4GN 4GN 4GN DE DE QJ7 QJ7	
V MW3D MW3D MW3D DE 2SLC 2SLC		
V N4FM5 N4FM5 N4FM5 DE NAT491 NAT491		

Messages:

3821//5644 kHz, 06-07, 1535 UTC	3610 kHz, 12-07, 1330 UTC
HR SVC NR 89 2330 RMKS 8593 TO 8611/.523 = SVC QRW 8523 QRM L18 8611 0.00 COMM 6.53 AR AGN NR 89 2330 RMKS 8593 8611/7523 = SVC QRW 8523 QRM L18 8611 0100 COMM 6953 AR QSL? HR WK NR 14	MSG NR 0010 CK 1714 92 0712 2115 = UAA A5UT TTTT ADA7 UAUU UND3 U3N. NU.T 6DA6 6TT3 TNUA 7UAA NTT7 UU6D .3UA 737D D6AN D7D3 A4D6 D..4 537D (Cont'd)
8073 kHz, 07-07, 1144 UTC	8888 kHz, 12-07, 1530 UTC
05 05 VVV V BNGC (x3) DE XSV85 (x2) (Cont'd) R MSG HGA NR 056. CK 298 35 0707 1631 = = TT7 3U. 3AN 3U7 T.. TA7 773 354 37. 4T3 NN3 (Cont'd)	MSG M P 9N MSG NU MSG NR 01 CK 30 5AT7AUU MSG N AGN MSG NR 01 CK 30 51 0712 2300 RMKS 1234 TO 567. MSG NU AGN MSG NR .. CK 0 23 MSG NR 36 CK 30 37 0712 2300 RMKS 1234 TO 5678 K MSG NU AGN MSG NR 36 CK 30 37 0712
8073 kHz, 08-07, 1141 UTC	8073 kHz, 13-07, 1139 UTC
V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR NR 056 8 CK 324 35 0708 1602 = = TTD 3U6 3AN 3U7 .U 773 354 367 463 N3 454 47U 3D7 4DT4 D4 TA 773 354 37T 4U4 455 3DD 4DT 4DU TAD 773 357 373 4A6 NN3 447 46D 3D5 33N N3D 4A5 NN3 456 3E 3I 353 37U 4A6 TN3 445 3DU 34T N3D 4A4 N3 446 3D3 4DT 4D6 TUT 773 TTA 773 35U 4A5 NN3 445 (Cont'd)	V BNGC (x3) DE XSV85 (x2) HR 7G HGA NR 0594 CK 275 35 0713 1629 = = TAU ? TA3 3.. 4AN3 U7TAU 773 TA7 773 (According to the message numbering, there is another sked every day)

7777 kHz, 10-07, 1117 UTC

NR 50/CCK CK 30 59 0710 1930 RMKS 2
MSG GA NR AGSG MSG MSG NR 05/C
NGMG MSG NR 05/CCK CK 30 59 0710 1930 RMKS 2695 TO 2621 2671
8GRD 8GRD ND5B ND5B
MSG NR 05/CCK CK 30 0710 1930 RMKS

8073 kHz, 10-07, 1138 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7G HGA
NR 0582 CK 202 35 0710 1557 = =
TAT 3U6 3AN 3U7 TAU
773 354 367 4A6 NN3 454 3D7 4DT 4D4 TA7
773 357 373 4UT NN3 446 467 3D4 4DT 4D6 TAD
773 TAN
773 TUT
773 TU3
773 357 373 4A5 NN3 445 3DU 4DT 4D6 TUA
773 353 37U 4AU NN3 445 3DU 4DT 4D6 TUU
773 353 37U 4AU NN3 445 3DU 33N N3D 4AU NN3 446 3D3 4DT 4D6 TU4
773 357 373 4A4 NN3 446 3D4 4DT 4D6 TU5
773 354 367 4AU NN3 456 3DT 3A4 N.D 4AA NN3 453 3D5 4DT 4D4 TU6
773 357 373 4T = = =
NN3 447 3D5 4DT 4D6 TUN N44 T33
773 357 373 4AA NN3 447 474 43D 3D5 4DT 4T. 3UD TAU
773 TU5
773 357 373 4AU NN3 447 46D 3D5 4DT 4D5 TA7
773 TU4
773 357 373 4A4 NN3 .46 3D3 4DT 4D6 TUU
773 TU7
773 TUN
III BT 4D6 476 AR AR
7G GA AHR 7G GA
NR 0583 CK 39 35 0710 1616 = =
TT7 N5U TAT N53 TAD N54 7TT TUT
736 4AA 77T DN3 DTN 4AA
AR AR (Repeats messages)

8073 kHz, 16-07 UTC, 1130 UTC

Short callup in voice at 1130 UTC. Switched to CW at 1135 UTC

7G NR 0602 CK 124 35 0716 1646 = =
TA6 3U6 3AN 3U7 TAU
773 TA7
773 353 37U 4T7 NN3 445 3DU 4DT 4D7 4D6 TAD
773 TA.
773 TUT
773 TU3
773 357 373 4AT NN3 445 3DU 4DT 4D6 TUA
773 353 37U 4AT NN3 435 3DT TTU 4DT 4D6 TUU
773 TU4
773 357 373 4AA NN3 446 3D3 4DT 4D5 TU5
773 TU6
773 TU7
773 354 374 4AA NN3 446 474 43D 3D4 4DT 4D5 TUN N34 T33
773 353 37U 4AA NN3 445 3DU 4DT 4D6 3UD TU5
773 TU6
773 TU7
773 354 374 4AA NN3 447 ... 4DT 4D5 TUU
773 IIII = TU5
773 357 ... 4AA NN3 446 3D4 ..T 4D6 TEN
773 353 37. 4AA NN3 446 3D3 4DT 4D6 476 3UN N47 3UD AR AR
7G AGN
NR NR 0602 CK 124 35 0716 6146 = =
TA6 3U6 3AN 3U7 TAU
773 TA7
773 353 (Repeats msg)

5555 kHz, 13-07, 1518 UTC

AGN
DE CYA4
WA Q. AA .AQ DE CYA4 K
U AGN U AGN U AGN
R QS. AGN R QSA 2 K
CR QSA 2 K (Both stations on this frequency)
R AGN R IEC = 16AGN IEC = AGN IEC = 0M AGN
IEC = 19 AGN IEC = AGN
IEC = 0906 AR K (Normally associated with exercise traffic)
R = 3070 AR K
AGN AGN
R = 3070 AR K
AGN AGN K
R = 3070 AR K
IEC = 2127 AR K
AGN IEC = AGN IEC = 7349 AR K
R = 6567 AR K
R HR NR 0M0 K (1527z)
AGN N AGN HA AGN HR NR 0E AGN HR NR
AGN R NW AGN HR NR 00 AN AGN HR NR NOT K
AGN K AGN
R NR NOT K
HR NR NOT K
V NE M AC V NERMEN V V NEWM DE U..AM AGN

8073 kHz, 14-07. 0022 UTC

3D4 4DT 4D6 TU6
773 354 374 4AA NN3 446 474 43D 3D4 4DT 4D5 TU7
773 III = ? = =
453 4AA NN3 446 467 3D4 4DT 4D6 TUN
773 353 4AA NN3 446 3D3 4DT 4D6 T3T N34 T33
773 356 4AA NN3 445 3DU 4DT 4D6 AR ?
AHR 7G GA
A5R MSG G HH AHR MSG GA
NR 0598 55 0
NR 0597 CK 23 35 07A4 0733 = =
TT7 N5U TA4 R53 TT6 R54 7TT TU7 746 4AA
77T 6TN D6N 4AA 77T DA5 7AD N47 76U 773
35T 747 7U4 AR AR

8073kHz, 15-07, 0005 UTC

V BNGC (x3) DE XSV85 (x2)
R HR GA NR NR 0599 CK 139 35 0715 0706 = =
TU5 3U4 3A4 TAU
773 356 35N 4AA NN3 343 N3D 4T3 NN3 445 3DT TTU 4DT 4D3 TA7
773 TAD
773 353 37U 4AT NN3 445 3DU 4DT 4D6 TAN
773 TUT
773 353 37U 4AT NN3 445 3DT TTA N34 TTA ND4 TT5 4DT 4D6 TUA
773 353 37U 4AA NN3 435 466 3DT TTU 4DT 4D6 TUU
773 TU7
773 353 37U 4AA NN3 446 467 3D4 4DT 4D6 TU3
773 TU4
773 357 374 4AA NN3 446 474 437 3D3 4DT 4D5 TU5
773 TU6
773 357 374 4AA NN3 447 474 43D 3D4 4DT 4D5 III =
TUN
773 56 37U 4AA NN3 446 3D3 4DT 4D6 T3T
773 T3U
773 356 4AA NN3 435 466 3DT TTU 4U. 4D6 T..
773 T33
773 356 4AT NN3 445 3DT TTA N34 TTA ND4 TT5 4DT 4D6 AR AR
7G AGN NR NR 0599 CK 139 35 0715 0706 = =
AR AR
Switched to voice at 0020 UTC)

8888 kHz, 14-07, 1200 UTC

Y NR 941 K
8T9 849 849 K
I 05 0 C.
VVV G 999
928 K K
V V V VVV ..4
JYM4 DE Q9JX K K
VV 3YM4 JYD4 DE Q9JX
VV JYM4 JYM4 DE Q9JX K
DE DE D7UX D7UX K
R R 2VNG C
R 24NG 2SEEEEE R R 24NG RR 24NG 24NG K K R 24NG QSA 2 K
DE D7UX D7UX K K
R R 24NG QSA 1 K K
R R QSA 2 K
R R HR NR 107 K K R R HR NR 107 K
GB
VVV JYM4 K K
DE SIRA SIRA K K
CP47 R R
RR DE SIRA K
R R QSA 1 K K
R R QSA 2 K
R HR NR 107 K K HR NR 107 K SK
DE QGOK QGOK K
R R WIWH K
R R DE QGOK K DE QGOK K
R R QSA 1 K K R R QSA 1 K
R R HR NR 107 K K R R HR NR 107 K
GB
VVV HWW 5JY4 DE Q9JX K K
DE DE SIRA SIRA K
R R CP47 QSA 1 K K
R R QSA 2 K
R R HR NR 107 K RR HR NR 107 K
GB GB

8073 kHz, 17-07, 1139 UTC

Note: There appears to be an association between the often heard 05
callsign and XSV85

05
V BNGC (x3) DE XSV85 (x2)
HR 7G GA
NR 0604 CK 329 35 0717 1555 = =
TA7 3U6 3AN 3U7 TAU
773 TA7
773 353 37. 4AA NN3 445 3DU 4DT 4D6 TAD
773 TAN
773 TUT
773 TU3
773 354 374 4AU NN3 445 474 437 3DU 4DT 4D5 TUA
773 354 37. 4AU NN3 435 474 437 3DT TTU 4DT 4D5 TUU
773 TU4
773 TU7
773 (Cont'd)

6825//8948 kHz, 19-07, 0159 UTC

CQ (x3) DE DP91 (x2) V
PSE PSE PSE PSE ALL ALL TCTC TC HR EH EH FRE FREK WK WK WK WK (0204z)
DP6291 QSA 3 U ?
DP6291 QSA 3 NIL NIL
SK SK GB GB
DP6391 DP6391 QSA 1 NIL NIL
DP6391 SK SK GB
DP6391 QSA 1 NIL
SK

Voice transmission:

bian-hai bian-hao zi-1449 (missed the last few syllables)
14909 04139 35 \$2
0715 0906 ?fang hai shi lan zhou liang bian? 025... 432 434 3402 73
16 69 31 993 33
938 493 993 445
380 062 9489 483 017 73
018 773 353 372 10

8073 kHz, 15-07, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG A TS V ?
HR MSG GA NR NR 0600 CK 195 35 0715 1549 = =
TA5 .U6 3AN 3U7 TU.
773 563 5D4 TU. NN3 445 3DU (Cont'd)

8073 kHz, 16-07 UTC, 1150 UTC. Voice transmission:

First part unreadable
0602 4124 35
0716 1645 (missed last part)
016 324326 319 327 012 873 017 893 353 371
4958 993 45 37 ?le? 480 416 418 773
020 773 423 873 358 373 410 993 44
372 419 486 021 773 853
372 11 993 435 384 462 484 486 022 073
024 893 858 373 411 993 446 383 484 485 025 373 426 373 428
773 354 374 411
993 446 474 438 384 489
485 429 934 933
033 773 353 372 411 993 45
382 382 480 486 328 025 873 026 873 027 873 854 374 411
993 48 385 484 485 022 873
(plaintext I can't understand)
024 873 858 873 411 093 440 384 484
486 029 773 353 372 11 993 446 383 480 486 329 947 328
0716 437 (sounds like hanging up a telephone)

6825 kHz, 18-07, 0207 UTC

DP2691 QSA 2 NIL
DP6291 NIL
DP6291 QSA 2 NIL NIL
SK SK GB GB
DP8091 QSA 2 NIL NIL
SK SK GB GB
DP8291 QSA 2 U ?
DP8291 QSA 2 NIL
DE DP8291 NIL
DE DP6991 QSA 3 U ?
DP6991 QSA 3 NIL NIL
SK GB SK GB
DP91 DP6891 QSA 3 U ?
DE DP7591 QSA 2 U ?
DP68.. DP6891... DP6891 QSA 2 NIL NIL
SK SK GB GB
DP8291 QSA 2 NIL
DP91 DP7891 QSA 2 U ? K
DP7691 QSA 2 NIL NIL
SK SK GB GB
R DP6791 QSA 2 U ?
DP6791 QSA 2 NIL NIL
SK SK GB GB
DP8191 QSA 2 U ? K
DP8191 DP8191 QSA 2 U ?
DP8191 QSA 2 NIL NIL
SK SK GB GB
DE DP7491 QSA 2 U ?
DP7491 QSA 2 NIL NIL DP7491 QSA 2 NIL NIL
SK SK GB GB
DP91 DP7891 QSA 3 U ?
DP7891 QSA 2 NIL NIL
SK SK GB GB = =

8073 kHz, 18-07, 1203 UTC

NR -608 CK 120 35 0718 1647 = =
TAD 3U6 3AN 3UN TAU
773 TA7
773 354 367 4AA NN3 447 474 43D 3D5 4DT 4D4 TAD
773 354 367 4AA NN3 436 474 43D 3D5 4DT 4D4 TAN
773 354 367 4AA NN3 446 474 43D 3D4 4DT 4D5 TUA
773 TUA
773 357 373 4AA NN3 446 3D3 4DT 4D6 TUU
773 TU3
773 354 374 4AA NN3 446 474 43D 3D4 4DT 4D6 TU4
773 354 367 4AA NN3 447 474 43D 3D5 4DT 4D4 TU5
773 357 373 4AA NN3 447 3D5 335 N3D 4AA NN3 446 3D4 4DT 4D5 TU6
773 353 3.. = =
4AA NN3 435 3DT TTU 4DT 4D6 TU7
773 TUN
N34 T33
773 356 4AA NN3 445 3DU 4DT 4D6 AR AR (1210z)
AHR MSG GA
NR 0609 CK 62 35 0718 1905 = =
TT7 N5U TAD N53 TAD N54 7TT TTA 746 736 N75
6T6 76U NU3 756 N35 636 N75 DA7 74D NT4 D47
U5D D44 635 4UT DAU D3T N45 U56 N35 DA3 D7T
DA7 U5T 6T3 TUA 773 TUU 773 TU4 773 TU5 773
TU6 773 TU7 773 TUN 773 N35 446 DTU 77T 7AD
N47 T7U DAA 773 35T 747 7U5 AR AR AR AR
(Switched to USB voice at 1215z. Probably XSV85)

5801//10180 kHz, 19-07, 0945 UTC

VV HR SVC GA NR 266 1730 RMKS 6805 TO 6665 /6845 =
SVC QRT EEEEE = SVC QRW 6845 QRW AR =
HVC QEEEEEEEE = SVC QRW 6845 QRW L18 6665 1900 COMM 2085 AR
AGN
NR 266 1730 RMKS 6805 TO 6665/6845 =
SVC QRW 6845 QRW L18 6665 1900 COMM 2085 AR
QSL ? HR WK NR 36

8948 kHz, 19-07, 1308 UTC

CQ (x3) DE DP91 (x2) V
PSE ALL PSE LP
PSE ALL FREQ WK
DP6391 QSA 2 U ? K
PSE ALL SF PSE ALL FREQ WK
DP6291 QSA 2 U ? K
DP7091 QSA 2 U ? K
DP7091 QSA 2 NIL DP7091 QS 2 NIL NIL SK SK GB GB
DP6291 QSA 3 U ?
DP6291 QSA 3 NIL DP6291 QSA 3 NIL NIL SK SK GB GB
DP6391 QSA 2 U ?
DP6391 QSA 2 NIL NIL SK SK GB GB
DP DP7391 QSA 3 U ?
DP7391 QSA 2 NIL NIL SK SK GB GB
DP7191 QSA 3 S
DP7191 QSA 2 NIL NIL SK SK GB GB = =
DP7691 QSA 2 U ?
DP7691 QSA 2 NIL DP7691 QSA 7E

3330 kHz, 20-07, 1346 UTC

TN3D N67D III =
6TDU (Cont'd)
III = U6TN D6U6 3AT7 (Cont'd - Running groups together)
III = AN7D 6T66 (Cont'd)
III K

4720 kHz, 27-07, 2030 UTC

V WNF DE FXM
VV WNF DE FXM QSA ?
QSV K

8828 kHz, 18-07, 0204 UTC

R QSL 1004 K
FF NR 0258/EX 1EEEE
FF NR 0258/EX 1005 =
A0B/CD1 AR K
R R

6825//8948 kHz, 19-07, 1000 UTC

E E IE E E A DP91 E A DP91 CQ
DP91 (x3) DE CQ (x2) V
T PSE LL FREQ KW AA PSE ALL ... WK PSE ALL FREQ KW PSE ALL FREQ KW PSE
ALL FREQ KW
DP..91 QSA 2 QSA ? K
DP6 DP R DE
DP6.91 QSA 3 U ?
DP6291 QSA 3 NIL NIL
SK SK GB GB
DP R DE DP7091 Q...
R DE
PSE ALL FREQ WK
DP7391 QSA 3 U ?
R R DE DP7391 QSA DP7091 QSA
PSE ALL FREQ WK
LR DE DP7091 QSA 2 U ?
R DE DP7091 QSA 2 U ?
DP7391
DP70
PSE LL FREQ WK PSE ALL FREQ WK
DP7091 QSA 2 U ?
DP7091 QSA 1 NIL
DP7091 QSA2 U ? DP7091 QSA2 U ? DP7091 QSA2 U ? DP7091 QSA2 U ?
DP7091 QSA2 U ?
DP7391 QSA2 U ? DP7091 QSA2 U ? DP7691 QSA2 ?
DP7091 QSA2 U ?

6825//8948 kHz, 20-07, 1002 UTC

CQ (x3) DE DP91 (x2) V
DE DP7591 QSA 2 U ? K. DE DE DE DE DE DP7591 QSA 2 U ?
DE DEP7591 QSA 2 U ?
DP8291 QSA 3 NIL NIL SK SK GB GB
DP8191 QSA 2 U ?
DP6891 SK SK GB GB
DP7591 QSA 2 U ?
DP7591 QSA ...
DP6291 RPT CALL PSE
DP6891 QSA 3 NIL DP6891 NIL
DP6291 DP6291 QSA 3 NIL NIL SK SK GB GB
DP8191 DP8191 QSA 3 NIL NIL SK SK GB GB
DP6791 DP6791 QSA 2 NIL NIL SK SK GB GB
DE DP7591 QSA 2 U ?
DP7591 DP7591 QSA 3 NIL NIL SK SK GB GB
DP7691 QSA 3 NIL NIL SK SK GB GB
DE DP7991 QSA 3 U ? DE DP7991 QSA 3 U ?
DP7991 DP7991 QSA 3 NIL NIL SK SK GB GB
DP8091 QSA 3 U ? DP8091 QSA 3 U ?
DP8091 QSA .. NIL SK SK GB GB
DP7891 QSA 3 U ?
DE DP7491 QSA 2 U ?
DP7491 DP7491 QSA 3 NIL NIL SK SK GB GB
D7791 QSA .. U ?
DP7791 DP7791 QSA 3 NIL NIL SK SK GB GB
DP7991 DP7991 QSA 3 NIL DP7991 QSA 3 NIL
DP7391 QSA 3 U ? DP7391 QSA 3 U ?
DP6391 DP6391 QSA 2 NIL DP6391 NIL SK GB
DP7391 QSA 3 U ? DP7391 QSA 3 U ?
DP7391 DP7391 QSA 2 NIL NIL SK SK GB GB
DP7891 QSA 3 U ?
DP7891 DP7891 QSA 3 NIL NIL SK SK GB GB
DP7891 NIL NIL SK SK GB GB

3610 kHz, 20-07, 1411 UTC

R ICE = 6061 AR K
R IEC = 6061 EEEEE R IEC = 6061 AR K
RPT
R IEC = 6061 AR K
R NIL SK
VVV GE EEEEE VV GE20 DE IJV8 K
R QSA 2 K
NIL SK
VV SQU8 DE IJV8 K
VV CJO3 DE IJV8 K
VV JX8C DE IJV8 K
R QSA 2 IEC = 6052 AR K
IEC = 6052 AR K
R IEC = 605R EEEE IEC = 6052 AR K

8073 kHz, 24-07, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7G GA
NR 0631 CK 229 35 0724 1537 = =
TU4 3U6 3AN 3U7 TAU
773 TA7
773 35U 4AA NN3 4.W 5466 IMD T TTU 4DT 4D6 TAD
773 TAN
773 357 373 4AA NN3 435 474 .37 3DT TTU 4DT 4D6 TUT
773 354 374 4AA NN3 435 474 43D 3DT TTU 4DT 4D6 TUA
773 TU3
773 357 373 4AA NN3 435 466 3DT TTU 4DT 4D6 TUU
773 357 373 4AA NN3 446 3D3 4DT 4D6 TU..
773 356 4AA NN3 435 3DT TTU 4DT 4D6 TU5
773 TU6
773 TU7
773 35U 4AA NN3 445 3DU 4DT 4D6 TUN N34 T33
773 355 4AA NN3 444 BT 3DA 4DT 4D6 3UD TAU
773 TA7
773 TAN
773 TU4
773 TU5
773 TU6
773 356 4AA NN3 446 3D3 4DT 4D6 TAN
773 TUT
773 354 374 4AA NN3 446 474 43D 3D3 4DT 4D5 TUA
773 357 373 4AA NN3 435 466 3EDT TTU 4DT 4D6 TUU
773 TU3
773 353 37U 4AA NN3 446 3D3 4DT 4D6 TU7
773 356 4AA NN3 435 466 3DT TTU 4DT 4D6 476 3UN TAU
773 TA7
773 356 4AA NN3 435 3DT TTU 4DT 4D6 TU4
773 353 4AA NN3 435 466 3DT TTU 4DT 4D6 TAD
773 TAN II BT
773 TUT
773 TUA
773 354 374 4AA NN3 446 474 43D 3D3 4DT 4D5 TUU
773 TU3
773 353 373 4AA NN3 435 466 3D3 4DT 4D6 476 AR
7G AGN
NR 0631 CK 229 35 0724 1537 = =
(Repeats msg) AR AR
(1203z) (Switched to USB voice)

8948//6825 kHz, 24-07, 0202 UTC

CQ (x3) DE DP91 (x2) V
PSE ALL T HR FREQ HR FDEQ WK PSE ALL TC HR FREQ WK
DP7991 DP7991 QSA 3 NIL
DE DP7591 QSA 2 U ?
DP6991 DP6991 QSA 3 NIL NIL SK SK GB GB
DE DP7591 QSA 2 U ? DE DP7591 QSA 2 U ? DE DP7591 QSA 2 U ?
DP7591 DP7591 QSA 2 NIL NIL SK SK GB GB DP7591 QSA 2 NIL
DP8291 DP8291 QSA 2 NIL NIL SK SK GB GB
DP7991 QSA 2 U ?
DP7591 NIL NIL SK SK GB GB
DP6791 DP6791 QSA 3 NIL SK SK GB GB
DP8091 QSA 3 U ?
DP7391 QSA 3 U ?
DE DP7491 QSA 2 U ?
DP7491 DP7491 QSA 3 NIL NIL SK SK GB GB
DP8091 QSA 3 U ?
DP7391 QSA 3 NIL
DP7391 QSA 3 U ?
DP7391 DP7391 QSA 3 NIL NIL SK SK GB GB
DP6391 DP6391 QSA 2 NIL NIL SK SK GB GB
DE DP7991 QSA 2 U ?
DP7791 QSA... DP7791 DP7791 QSA 3 NIL NIL SK SK GB GB
DE DP7991 QSA 2 U ? DE DP7991 QSA 1 U ?
DP4091 QSA 2 NIL DP4091 DP4091 QSA 2 NIL NIL
DP4091 QSA 2 NIL NIL SK SK GB GB
DP8191 QSA 2 U ?
DP7991 QSA 2 U ? DP7991 QSA 2 U ?
DP6891 DP6891 QSA 2 NIL
DP7691 DP7691 QSA 2 NIL NIL SK SK GB GB
DP6891 DP6891 QSA 2 NIL NIL SK SK GB GB
DP7991 DP7991 QSA 2 NIL NIL SK SK GB GB
DP8091 QSA 3 U ?
DP8091 DP8091 QSA 2 NIL NIL SK SK GB GB
DP8191 QSA 2 U ?

5801//10180 kHz, 20-07, 0929 UTC

= CL/1800EEE
= CL/1800/Z60/6845/6200 EEEEEEE
= CL/1800/Z60/6845/6207 AR QSL ? K HR WK NR 100

7777 kHz, 20-07, 1401 UTC

QSA 4 QSA ? K
R = E3W EEEE CY
R IEC = K
R Q HR .. GA
7G NR 013/CCK CK CK 50 48 0720 .200 RMKS 2779 TO 277. =
R R 1W GA =
.. ADNTA NT...

8073 kHz, 20-07, 1139 UTC

V BNGC (x3) DE XSV85 (x2) (Cont'd)
HR MSG GA
7G GA NR
HR MSG GA NR 0616 CK 294 35 0720 1641 =
TUT 3U6 3AN 3U7 T 763 354 373 4AA NN3 447 . (Cont'd)

4720 kHz, 27-07, 1830 UTC

V WNF DE FXM
VV WNF DE FXM QSA ?
QSA K

8073 kHz, 28-07, 1135 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7G GA NR
NR 0639 CK 119 35 0728 1624 ==
TUD 3U6 3AN 3U7 TAU
773 TA7
773 TAD
773 353 37U 4AA NN3 445 3DU 4DT 4D6 TAN
773 TU3
773 357 373 4TD NN3 435 466 3DT TTU 4DT 4D5 TUT
773 354 367 4AD NN3 446 474 43D 3D3 4DT 4D5 TUA
773 TUU
773 357 373 4AT NN3 435 466 3D3 4DT 4D5 TUA
773 4D6 TU4
773 TU5
773 TU6
773 TU7
773 356 4AA NN3 445 3DU 4DT 4D6 TUN N34 T33
773 356 4AA NN3 434 3DT TTA 34 TTA ND4 TT5 4DT 4D6 3UD N47 3U7 3UN TAN
773 TUA
773 TU3
773 357 373 III BT EUAA NN3 445 3DU 4DT 4D6 TUT
773 354 367 4AT NN3 446 474 43D 3D3 4DT 4D5 476 AR
7G AGN MSG AGN NR 0639 CK 119 35 0728 1624 BT (Repeats msg)

Voice transmissions on 8073 kHz:

15-7, 0020 UTC XSV85 msg to BNGC: bian-hai bian-hao zi-1449 ... 14909 04139 35
16-7, 1130 UTC XSV85 clg BNGC
16-7, 1150 UTC XSV85 msg to BNGC
18-7, 1215 UTC Switched to USB voice after morse messages. Probably XSV85
25-7, 1023 UTC XSV85 msg to BNGC



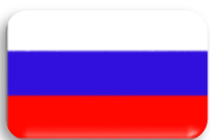
UM01
Unid CQ station

Not heard in July



UM10
Unid 10-minutes net

3392 kHz, 08-07, 1644 UTC FX7T (new callsign and frequency)
3193 kHz, 08-07, 1657 UTC EM4X (new callsign and frequency)
3392 kHz, 08-07, 1715 UTC FX7T
3193 kHz, 09-07, 1629 UTC EM4X
3392 kHz, 09-07, 1640 UTC FX7T
3193 kHz, 12-07, 1328 UTC EM4X
3392 kHz, 16-07, 1440 UTC FX7T
3193 kHz, 19-07, 1333 UTC EM4X
3392 kHz, 24-07, 1642 UTC FX7T



Morse variant of S25

Logged by Danix:

16083 kHz, 01-07, 1150 UTC, CW i.p. 055 055 055 43224 43224 (R4m) 00000 00000

DIGITAL MODES

M42 & X06



Modes:
Various digital modes, CW,
Tones (Мазелка / Mazielka)

Russian Government & Intelligence



M42c – FSK 200/500

14827/12212/10930 kHz, 01-07, 1840/1850/1900 UTC

=8381 54258612750671985
=8202 02229671188269387
=8383 572962720049229147
=7854 64300307090180890
=8765 95873697507939161
=8326 746812164399273118
=8207 97716511936733290
=8308 12388818578003874
=8859 83926982112307290
=81510 02999752554849337
=84511 354106337416552125
=78312 72155868605519375
=82613 532751065248534117
=84914 418131677735396106
=84615 609218689277636177
=83816 448601488609651111
=80417 86011761622094969
=79118 36149133098730868
=82419 464782470671516143
=83120 108931719725167102
=87221 205657572716225159
=87622 51207154444233788
=89223 90768304615651195
=85624 96900705410951692
=83925 78845118072174675
=86826 525973903733828105
=84527 262408039542080104
)57628 00000+++++++179

The last two or three figures of each line are part of the error detection layer. When you remove them and split the remaining groups in 5FGs, you'll get the message below. Thanks for the tip, Danix !

54258 61275 06719 02229 67118 82693 57296 27200 49229 64300
30709 01808 95873 69750 79391 74681 21643 99273 97716 51193
67332 12388 81857 80038 83926 98211 23072 02999 75255 48493
35410 63374 16552 72155 86860 55193 53275 10652 48534 41813
16777 35396 60921 86892 77636 44860 14886 09651 86011 76162
20949 36149 13309 87308 46478 24706 71516 10893 17197 25167
20565 75727 16225 51207 15444 42337 90768 30461 56511 96900
70541 09516 78845 11807 21746 52597 39037 33828 26240 80395
42080

11121/9115/6826 kHz, 09-07, 1900/1910/1920 UTC	RYRYRY 5761 00000+++++++162)
16327/14639/12185 kHz, 11-07, 1200/1210/1220 UTC	RYRYRY 5761 00000+++++++162)
14878 kHz, 13-07, 0030 UTC, via Cuba	166(2 35111 77001 17791 64130 31013 39
11121/9115/6826 kHz, 16-07, 1900/1910/1920 UTC	RYRYRY 5761 00000+++++++162)
16327/14639/12185 kHz, 18-07, 1200/1210/1220 UTC	RYRYRY 5761 00000+++++++162)
16145/14387/12212 kHz, 18-07, 1810/1820/1830 UTC	RYRYRY 5761 00000+++++++162)
16327/14639/12185 kHz, 25-07, 1200/1210/1220 UTC	RYRYRY 5761 00000+++++++162)
11121/9115/6826 kHz, 30-07, 1900/1910/1920 UTC	RYRYRY 5761 00000+++++++162)

M42d – FSK 200/1000

11157/9186/7667 kHz, 01-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 41 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 30th of month : Msg Number 105 : Msg Type 07145 : Group Count (?) 17

14853 11574 34379 15437 07583 07460 55849 17971

16242/14647/12204 kHz, 01-07, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 1st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

00544 00000 00000 00893 25896 35148 00893 04352

11157/9186/7667 kHz, 02-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 67 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 27th of month : Msg Number 107 : Msg Type 07145 : Group Count (?) 175

32524 57865 23879 34431 65099 35139 20312 15438

11021 kHz, 02-07, 1340 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 2nd of month : Msg Number 140 : Msg Type 07145 : Group Count (?) 4

13856 00000 00000 03172 54891 00633 00893 12569

11157/9186/7667 kHz, 03-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 45136 : 3rd of month : Msg Number 027 : Msg Type 07145 : Group Count (?) 4

32620 00000 00000 00171 55182 34259 00893 06165

17517/15863/15863 kHz, 05-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 12 blocks : This transmission contains one message.

Block No 1 : Link ID 45114 : 3rd of month : Msg Number 027 : Msg Type 07145 : Group Count (?) 70

40032 32787 05049 26792 53087 34776 36716 37443

14419/10773/8167 kHz, 06-07, 0400/0410/0420 UTC

Block No 0 : Total Message Size 62 blocks : This transmission contains one message.

Block No 1 : Link ID 45079 : 25th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 170

17964 03697 24187 02392 51984 38379 56142 30640

11157/9186/7667 kHz, 06-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 3rd of month : Msg Number 112 : Msg Type 07145 : Group Count (?) 209

32412 06452 20490 10061 65099 34546 09216 21043

10627/8136/6772 kHz, 06-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 3rd of month : Msg Number 112 : Msg Type 07145 : Group Count (?) 209

32412 06452 20490 10061 65091 34544 09216 21043

10627/8136/6772 kHz, 07-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 63 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 6th of month : Msg Number 115 : Msg Type 07145 : Group Count (?) 189
10964 25061 49943 18183 07583 03224 29948 50496

17436/15847/13374 kHz, 07-07, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 7th of month : Msg Number 092 : Msg Type 07145 : Group Count (?) 4
03008 00000 00000 02973 14796 33446 00893 48151

17477/15929/13565 kHz, 07-07, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 7th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
02084 00000 00000 04059 36779 33295 00893 21476

14454/12186/11802 kHz, 07-07, 2300/2310/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 7th of month : Msg Number 137 : Msg Type 07145 : Group Count (?) 4
55564 00000 00000 01641 00624 35431 00893 31210

15842/13394/11087 kHz, 08-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 34 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 7th of month : Msg Number 120 : Msg Type 07145 : Group Count (?) 219
32520 02773 57774 30463 55182 03489 25306 05365

17439/15844/13493 kHz, 08-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 16405 : 8th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
10468 00000 00000 01236 05092 35136 00893 15910

16059/14387/12176 kHz, 08-07, 0915/0925/0935 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 8th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
59620 00000 00000 01899 43186 36774 00893 12705

10627/8136/6772 kHz, 08-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 34 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 7th of month : Msg Number 120 : Msg Type 06761 : Group Count (?) 216
31240 02773 57774 30463 55182 03489 25306 05365

16029/14367/12191 kHz, 08-07, 2200/2210/2220 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49202 : 8th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
10468 00000 00000 03949 44300 35136 00893 26567

11157/9186/7667 kHz, 09-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 57 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 8th of month : Msg Number 122 : Msg Type 07145 : Group Count (?) 181
46168 41289 06621 39408 65099 33622 17700 39005

10627/8136/6772 kHz, 09-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 59 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 8th of month : Msg Number 122 : Msg Type 07145 : Group Count (?) 181
46168 41289 06621 39408 65099 33622 17700 39005

13385/11021/9164 kHz, 09-07, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 9th of month : Msg Number 035 : Msg Type 07145 : Group Count (?) 4
07224 00000 00000 02374 49619 02987 00893 53030

11157/9186/7667 kHz, 10-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 10th of month : Msg Number 210 : Msg Type 07145 : Group Count (?) 4
08940 00000 00000 03815 07583 03864 00893 49436

17517/15863/13516 kHz, 11-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 15 blocks : This transmission contains one message.

Block No 1 : Link ID 45115 : 9th of month : Msg Number 030 : Msg Type 07145 : Group Count (?) 92
01092 33747 05531 28579 06443 04026 15584 32549

16087/14382/12171 kHz, 11-07, 0900/0910/0920 UTC

Block No 0 : Total Message Size 20 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 182 : Msg Type 07145 : Group Count (?) 119
35980 27336 26193 05194 49814 32808 21550 24593

19624/17486/14581 kHz, 11-07, 1100/1110/1120 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 9th of month : Msg Number 050 : Msg Type 07145 : Group Count (?) 30
20768 11762 31539 04811 28573 04984 56209 37566

16087/14382/12171 kHz, 12-07, 0900/0910/0920 UTC

Block No 0 : Total Message Size 20 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 182 : Msg Type 07145 : Group Count (?) 119
35980 27336 26193 05194 49814 32808 21550 24593

19624/17486/14581 kHz, 12-07, 1100/1110/1120 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 9th of month : Msg Number 050 : Msg Type 07145 : Group Count (?) 30
20768 11762 31539 04811 28573 04984 56209 37566

17542/15624/13494 kHz, 12-07, 1100/1110/1120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 12th of month : Msg Number 127 : Msg Type 07145 : Group Count (?) 4
56988 00000 00000 02397 12857 34712 00893 62326

11157/9186/7667 kHz, 13-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 11th of month : Msg Number 127 : Msg Type 07145 : Group Count (?) 243
10704 60099 28240 40903 07583 35153 38622 29379

16027/8136/6772 kHz, 13-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 11th of month : Msg Number 127 : Msg Type 07145 : Group Count (?) 243
10704 60099 28240 40903 07583 35153 38622 29379

11157/9186/7667 kHz, 14-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 13th of month : Msg Number 130 : Msg Type 07145 : Group Count (?) 213
13704 37671 11414 39592 09959 02933 22275 11383

16027/8136/6772 kHz, 14-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 13th of month : Msg Number 130 : Msg Type 07145 : Group Count (?) 213
13704 37671 11414 39592 09959 02933 22275 11383

17436/15847/13374 kHz, 14-07, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 14th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
01312 00000 00000 01497 35847 34073 00893 43856

17477/15929/13565 kHz, 14-07, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 14th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
26732 00000 00000 00015 21447 32874 00893 35353

12186/11082 kHz, 14-07, 2310/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 14th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
46200 00000 00000 01440 19784 35277 00893 31399

11157/9186/7667 kHz, 15-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 14th of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 237
48220 28357 24957 32291 58024 03920 11798 53185

15842/11394/11087 kHz, 15-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 15th of month : Msg Number 117 : Msg Type 07145 : Group Count (?) 4
65024 00000 00000 02821 19299 36539 00893 60759

16027/8136/6772 kHz, 15-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 14th of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 237
48220 28357 24957 32291 08868 02896 10771 53184

16242/14647/12204 kHz, 15-07, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 15th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
64380 00000 00000 02075 15966 36746 00893 01103

16029/14367/12191 kHz, 15-07, 2200/2210/2220 kHz

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49202 : 15th of month : Msg Number 110 : Msg Type 07145 : Group Count (?) 4
22796 00000 00000 03981 28271 01337 00893 64617

11157/9186/7667 kHz, 16-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 54 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 15th of month : Msg Number 137 : Msg Type 07145 : Group Count (?) 173
13564 10866 15514 06129 07583 35627 12161 24283

16027/8136/6772 kHz, 16-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 54 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 15th of month : Msg Number 137 : Msg Type 07145 : Group Count (?) 173
13564 10866 15514 06129 07583 35627 12161 24283

13385/11021/9164 kHz, 16-07, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 16th of month : Msg Number 117 : Msg Type 07145 : Group Count (?) 4
63284 00000 00032 01733 54891 34682 00893 46742

11157/9186/7667 kHz, 17-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 17th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 4
17896 00000 00000 00141 55182 32909 00893 08546

17434/15787/13471 kHz, 18-07, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 18th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
64208 00000 00000 03583 16767 33604 00893 62943

19624/17486/14581 kHz, 19-07, 1100/1110/1120 UTC

Block No 0 : Total Message Size 45 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 17th of month : Msg Number 052 : Msg Type 07145 : Group Count (?) 44
05552 12882 10862 06559 48247 37775 53701 27910

17542/15624/13494 kHz, 19-07, 1530/1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 19th of month : Msg Number 127 : Msg Type 07145 : Group Count (?) 4
24132 00000 00000 00015 26517 33426 00893 49834

14879 kHz, 20-07, 0300 UTC

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 41018 : Corrupt Date : Msg Number 087 : Msg Type 07145 : Group Count (?) 21
32768 16740 20385 05502 21686 35044 45769 46487

12211/10773/8167 kHz, 20-07, 0400/0410/0420 UTC

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45079 : 17th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 240
31080 18802 22110 02503 53317 01465 29523 51415

11157/9186/7667 kHz, 20-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 41 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 17th of month : Msg Number 142 : Msg Type 07145 : Group Count (?) 17
64596 29121 39692 13382 55182 38526 15348 11277

16027/8136/6772 kHz, 20-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 41 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 17th of month : Msg Number 142 : Msg Type 07145 : Group Count (?) 17
64596 29121 39692 13382 55182 38526 15348 11277

17477/15929/13565 kHz, 21-07, 1650/1700/1720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 21st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
56988 00000 00000 02237 12857 35485 00893 64966

14545/12186/11082 kHz, 21-07, 2300/2310/2320 UTC

Block No 0 : Total Message Size 48 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 21st of month : Msg Number 137 : Msg Type 07145 : Group Count (?) 69
01264 09171 37865 40905 16071 39991 20907 47680

11157/9186/7667 kHz, 22-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 21st of month : Msg Number 150 : Msg Type 07145 : Group Count (?) 29
58520 63849 64850 15533 01146 05028 51341 58346

16059/14387/12176 kHz, 22-07, 0915/0925/0935 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 22nd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
56036 00000 00000 02883 31284 35132 00893 09999

15842/13394/11087 kHz, 22-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 22nd of month : Msg Number 167 : Msg Type 07145 : Group Count (?) 4
38712 00000 00000 00235 29748 33285 00893 00629

17439/15844/13492 kHz, 22-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 13 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 21st of month : Msg Number 220 : Msg Type 07145 : Group Count (?) 72
49808 21416 03047 34407 59548 03468 09900 05770

16027/8136/6772 kHz, 22-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 21st of month : Msg Number 150 : Msg Type 07145 : Group Count (?) 29
58520 63849 64850 15533 01146 05028 51341 58346

16029/14367/12191 kHz, 22-07, 2200/2210/2220 UTC

Block No 0 : Total Message Size 2 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 49202 : 22nd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
04652 00000 00000 00837 37831 34850 00893 24033

11157/9186/7667 kHz, 23-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 57 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 22nd of month : Msg Number 152 : Msg Type 07145 : Group Count (?) 185
17896 57224 28361 10721 55182 36805 05014 34085

17439/15844/13492 kHz, 23-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 13 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 21st of month : Msg Number 220 : Msg Type 07145 : Group Count (?) 72
49840 21416 03047 34407 59836 03500 13996 22186

16027/8136/6772 kHz, 23-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 57 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 22nd of month : Msg Number 152 : Msg Type 07145 : Group Count (?) 185
17896 57224 28361 10721 55182 36805 05014 34085

13385/11021/9164 kHz, 23-07, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 23rd of month : Msg Number 185 : Msg Type 07145 : Group Count (?) 4
18948 00000 00000 01122 49619 04082 00893 63797

16389/14517/12184 kHz, 24-07, 0600/0610/0620 UTC

Block No 0 : Total Message Size 48 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 21st of month : Msg Number 137 : Msg Type 07145 : Group Count (?) 69
01264 09171 37865 40905 16071 39991 20907 47680

11157/9186/7667 kHz, 24-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 24th of month : Msg Number 140 : Msg Type 07145 : Group Count (?) 4
54896 00000 00000 01922 07583 03631 00893 55942

17517/15863/13516 kHz, 25-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 45115 : 21st of month : Msg Number 032 : Msg Type 07145 : Group Count (?) 196
60328 37267 33182 27195 00643 37978 23365 42235

16087/14382/12171 kHz, 25-07, 0900/0910/0920 UTC

Block No 0 : Total Message Size 20 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 182 : Msg Type 07145 : Group Count (?) 119
35980 27336 26193 05194 49814 32808 21550 24593

19624/17486/14581 kHz, 25-07, 1100/1110/1120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 25th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
22796 00000 00000 00849 28556 35995 00893 07997

17434/15787/13471 kHz, 25-07 kHz, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 32821 : 24th of month : Msg Number 052 : Msg Type 07145 : Group Count (?) 154
51836 42643 28251 37814 22795 34241 48972 19679

18244/16147/14472 kHz, 25-07, 2130/2140/2150 UTC

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 32821 : 25th of month : Msg Number 014 : Msg Type 07145 : Group Count (?) 12
63004 00000 00000 00423 31801 31320 01901 43310

17517/15863/13516 kHz, 26-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 67 blocks : This transmission contains one message.

Block No 1 : Link ID 45115 : 21st of month : Msg Number 032 : Msg Type 07145 : Group Count (?) 196
60328 37267 33182 27195 00643 37978 23365 42235

16087/14382/12171 kHz, 26-07, 0900/0910/0920 UTC

Block No 0 : Total Message Size 20 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 182 : Msg Type 07145 : Group Count (?) 119
35980 27336 26193 05194 49814 32808 21550 24593

17542/15624/13494 kHz, 26-07, 1100/1110/1120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 26th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
49789 00000 00000 01312 21447 34299 00893 13300

17434/15787/13471 kHz, 26-07 kHz, 2100/2110/2120 UTC

Block No 0 : Total Message Size 24 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 24th of month : Msg Number 052 : Msg Type 07145 : Group Count (?) 154
51836 42643 28251 37814 22795 34241 48972 19679

11157/9186/7667 kHz, 27-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 38 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 24th of month : Msg Number 157 : Msg Type 07145 : Group Count (?) 253
29240 13992 31237 29530 09959 33654 11848 13786

16027/8136/6772 kHz, 27-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 38 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 24th of month : Msg Number 157 : Msg Type 07145 : Group Count (?) 253
29240 13992 31237 29530 09959 33654 11848 13786

11157/9186/7667 kHz, 28-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 27th of month : Msg Number 160 : Msg Type 08185 : Group Count (?) 255
57337 65397 05877 17189 55182 03340 33199 50425

16027/8136/6772 kHz, 28-07, 1200/1210/1220 UTC

Block No 0 : Total Message Size 60 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 27th of month : Msg Number 160 : Msg Type 07145 : Group Count (?) 165
17897 56693 05877 17189 55182 03340 33199 50425

17436/15847/13374 kHz, 28-07, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 28th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
62589 00000 00000 03031 14796 32974 00893 21499

17477/15929/13565 kHz, 28-07, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 20501 : 28th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39181 00000 00000 00021 12857 35071 00893 07078

11157/9186/7667 kHz, 29-07, 0700/0710/0720 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 28th of month : Msg Number 165 : Msg Type 07145 : Group Count (?) 35
11117 26181 13517 31435 01146 04432 04673 15304

15842/13394/11087 kHz, 29-07, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 29th of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 4
38713 00000 00000 02237 31284 01960 00381 06303**16027/8136/6772 kHz, 29-07, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 28th of month : Msg Number 165 : Msg Type 07145 : Group Count (?) 35
11117 26181 13517 31435 01146 04432 04673 15304**14367/12191 kHz, 29-07, 2210/2220 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49202 : 29th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
22797 00000 00000 03937 28271 34592 00893 61073**11157/9186/7667 kHz, 30-07, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 64 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 29th of month : Msg Number 167 : Msg Type 07145 : Group Count (?) 69
10613 04950 00271 36076 65099 37528 03947 51965**16027/8136/6772 kHz, 30-07, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 64 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 29th of month : Msg Number 167 : Msg Type 07145 : Group Count (?) 69
10613 04950 00271 36076 65099 37528 03947 51965**13385/11021/9164 kHz, 30-07, 1330/1340/1350 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 30th of month : Msg Number 170 : Msg Type 07145 : Group Count (?) 4
37493 00000 00000 01245 58545 03524 00893 07249**16289/14517/12184 kHz, 31-07, 0600/0610/0620 UTC**

Block No 0 : Total Message Size 42 blocks : This transmission contains one message.

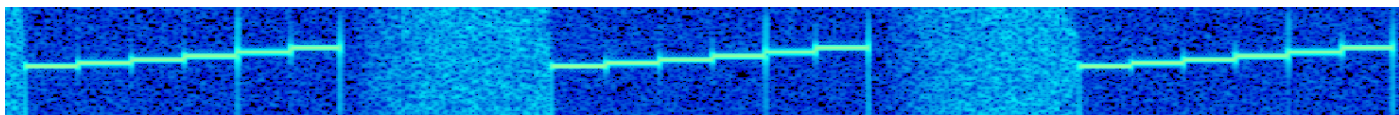
Block No 1 : Link ID 40988 : 28th of month : Msg Number 140 : Msg Type 07145 : Group Count (?) 27
47981 50836 04521 09293 16071 04163 52231 03962**11157/9186/7667 kHz, 31-07, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

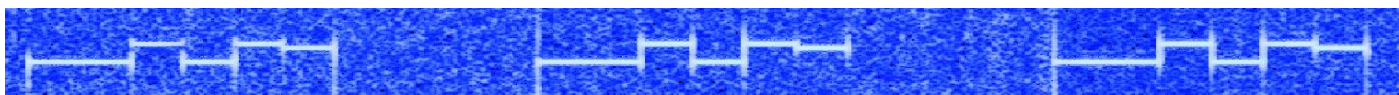
Block No 1 : Link ID 45136 : 31st of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
17897 00000 00000 01990 55182 03983 00893 10161**X06 - Mazielka**

X06 has been heard before various transmissions of M12, XPA, XPA2 and E07.

Station	Date	Freq. kHz	UTC	Followed by	Freq. kHz	UTC
X06b	29-06	6857, 7557, 8057	0330	M12	6857, 7557, 8057	0510
X06b	04-07	12217, 13884, 15967	2000	XPA2	15967, 13884, 12217	2100, 2120, 2140
X06b	06-07	14812	1817, 1832, 1843	E07	14812	1900
X06b	07-07	15882	1810	XPA2	15884	1900
X06b	13-07	14812	1826	E07	14812	1900
X06b	14-07	17473, 18673, 20173	0620, 0622, 0624	XPA2	20173, 18673, 17473	0700, 0720, 0740
X06b	14-07	14384, 14984, 15884	1807, 1808, 1808	XPA2	15884, 14984, 14384	1900, 1920, 1940
X06b	14-07	9243, 10243, 10943	1623, 1624, 1625	XPA	10943, 10243, 9243	1730, 1750, 1810
X06b	14-07	8115, 9263, 19342	1833, 1834, 1834	M12	19343, 9264, 8116	1930, 1950, 2010
X06b	15-07	9064, 11464, 10264 9064, 11464, 10264, 9064	0457, 0504, 0505 0508, 0510, 0511, 0511	E07	9064, 10264, 11464	0600, 0620, 0640
X06b	15-07	11409, 14609, 13509	0515 + 1517 + 1519, 0518, 0519	XPA	11409, 1509, 14609	0600, 0620, 0640
X06b	20-07	14812	1809	E07	14812	1900
X06	28-07	10943, 10243, 9243	1652	XPA	10943, 10243, 9243	1730, 1750, 1810
X06b	29-07	13898	1624	E07	13898	1700
X06b	30-07	15884	1822	XPA2	15884	1900



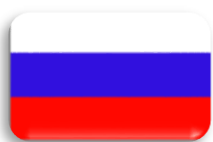
Mazielka X06c. Sequence: 123456



Mazielka X06. Sequence: 116165

X06 logs

Freq.	Code	Date	UTC	Day	Details
14631	X06	15-7-2015	0831	Wed	Mazielka. Sequence: 362154
10493	X06	28-7-2015	1652	Tue	Mazielka. Sequence: 116165
9243	X06	28-7-2015	1652	Tue	Mazielka. Sequence: 116165
10243	X06	28-7-2015	1652	Tue	Mazielka. Sequence: 116165
14863	X06	31-7-2015	1026	Fri	Mazielka. Sequence: 615243
15884	X06b	7-7-2015	1810	Tue	Mazielka. Sequence: 1--6--
17473	X06b	14-7-2015	0620	Tue	Mazielka. Sequence: 1--6--
18673	X06b	14-7-2015	0622	Tue	Mazielka. Sequence: 1--6--
20173	X06b	14-7-2015	0624	Tue	Mazielka. Sequence: 1--6--
14384	X06b	14-7-2015	1807	Tue	Mazielka. Sequence: 6--1--
14984	X06b	14-7-2015	1808	Tue	Mazielka. Sequence: 6--1--
15884	X06b	14-7-2015	1808	Tue	Mazielka. Sequence: 6--1--
9064	X06b	15-7-2015	0457	Wed	Mazielka. Sequence: 6--1--
11464	X06b	15-7-2015	0504	Wed	Mazielka. Sequence: 6--1--
10264	X06b	15-7-2015	0505	Wed	Mazielka. Sequence: 6--1--
9064	X06b	15-7-2015	0508	Wed	Mazielka. Sequence: 6--1--
11464	X06b	15-7-2015	0510	Wed	Mazielka. Sequence: 6--1--
9064	X06b	15-7-2015	0511	Wed	Mazielka. Sequence: 6--1--
10264	X06b	15-7-2015	0511	Wed	Mazielka. Sequence: 6--1--
11409	X06b	15-7-2015	0515	Wed	Mazielka. Sequence: 6--1--
11409	X06b	15-7-2015	0517	Wed	Mazielka. Sequence: 6--1--
14609	X06b	15-7-2015	0518	Wed	Mazielka. Sequence: 6--1--
13509	X06b	15-7-2015	0519	Wed	Mazielka. Sequence: 6--1--
11409	X06b	15-7-2015	0519	Wed	Mazielka. Sequence: 6--1--
14812	X06b	20-7-2015	1810	Mon	Mazielka. Sequence: 6--1--
13898	X06b	29-7-2015	1624	Wed	Mazielka. Sequence: 1--6--
15884	X06b	30-7-2015	1822	Thu	Mazielka. Sequence: 1--6--
15765	X06c	14-7-2015	0635	Tue	Mazielka. Sequence: 123456



XPA

11409/13509/14609 kHz, 01-07, 0600/0620/0640 UTC

456 456 456 000

03834 00001 00000 10140

10943/10243/9243 kHz, 02-07, 1730/1750/1810 UTC

922 922 922 000

08780 00001 00000 10140

11409/13509/14609 kHz, 04-07, 0600/0620/0640 UTC

456 456 456 000

08700 00001 00000 10140

10943/10243/9243 kHz, 07-07/09-07, 1730/1750/1810 UTC

922 922 922 1

02442 00221 94092 69117 60545 13331 79194 22452 64243 57490
05098 92386 73102 59017 23360 38272 32931 25740 97878 84019
86378 06349 51207 75078 80043 48978 89721 59290 40139 05906
48805 36802 33143 07819 52365 06111 18787 80028 86055 64388
05478 54959 83807 36055 64499 62698 56491 72346 42802 17034
99563 92795 00691 50033 47472 36777 12553 03183 43334 40274
80829 10713 22143 82987 88080 50856 51886 28537 65760 10801
72788 35860 77844 28215 56161 73266 56185 28135 41800 73799
31019 87747 59715 63155 17810 93718 50833 07650 36124 93174
91258 77513 70787 60855 47248 55902 75614 79354 91276 62139
78720 76692 69530 74670 89063 27510 70812 82286 72166 97327
68508 13636 30872 27068 53548 54593 83126 06431 19275 55312
59578 36478 52314 93565 14949 28540 11914 89309 44732 83506
50040 15465 99176 80488 00875 13354 92342 62935 95527 76328
84387 05264 49233 71339 82517 64326 84805 88938 63912 29302
06519 09299 40995 65363 69698 54638 73534 54515 69541 00270
60295 60561 50588 05859 94924 77012 51247 26414 99182 43293
24377 53329 54202 23254 25808 65967 26540 13538 79909 04249
86384 82177 31673 12554 73090 48991 38792 18319 99304 30844
33230 24301 42544 28687 71837 06473 41570 43650 68598 47397
83365 54674 92148 14431 01624 21964 40440 68774 73398 79997
46297 83454 76744 73445 47863 83749 22418 12898 49647 32292
43395 89413 12436 33225

11409/13509/14609, 08-07/11-07, 0600/0620/0640 UTC

456 456 456 1

07859 00189 59905 17259 84806 01472 30567 24561 21480 55863
15159 28918 62284 80452 24163 47486 31857 38156 04705 88620
56069 72237 55922 98063 14275 95442 45763 02397 20509 56896
96026 66650 61382 20311 46909 08891 97196 68150 54813 07066
08195 80600 39695 20006 53177 22950 11375 86390 78819 13997
62899 24777 03519 65067 85979 30213 21915 28803 50214 32242
02087 02891 63602 51877 91879 43610 05664 19848 71368 40270
39616 31200 41117 63454 14629 20096 59371 33168 29914 77665
98779 89980 19820 55597 84043 91914 77473 51916 99813 80708
73683 47083 01149 04588 75687 82583 20582 51207 83443 82405
25948 53324 20021 93462 29545 51289 27365 23025 78562 47867
86968 69587 11218 06563 69720 35822 20837 46284 71211 95981
35817 68075 53108 29569 02703 49033 33105 50967 85041 03616
90768 94535 49286 28705 12833 21826 81322 44310 73911 40488
72832 19232 60000 14347 07614 29875 15567 50991 93609 64628
73394 55169 74049 42650 72128 48997 23054 29920 61720 12359
24207 71795 57549 47757 39598 80727 34590 42131 21347 86424
08239 32875 50302 32093 86223 27705 65094 77489 26595 33114
84773 32303 31649 20417 20956 29540 96966 24329 49569 73669
01927 20317

11409/13509/14609, 15-07, 0600/0620/0640 UTC

456 456 456 000

03942 00001 00000 10140

10943/10243/9243 kHz, 14-07/16-07, 1730/1750/1810 UTC

922 922 922 1

03959 00183 26875 48132 27432 91702 22380 86258 28271 68642
83452 21629 10748 91898 16356 91951 26597 71044 77629 75692
39966 64714 84118 28524 89740 98317 23110 10705 12434 23274
82514 95702 64691 50010 69080 13778 73875 77176 75089 88682
46928 33411 98942 16455 49070 49604 48226 95710 74509 68841
35988 80257 04442 32012 07907 53508 51002 05498 52508 18332
57163 96607 51674 54585 30894 73419 51732 04693 49939 27507
55991 03797 11130 04134 70261 66308 31794 79856 57361 90957
35605 28659 71851 66217 54317 44359 53178 02245 16340 68872
26345 66406 68731 98023 39828 81525 93221 91456 27344 29261
55097 47119 65504 21446 56897 37646 18699 40851 78994 96901
16817 15578 76801 54033 26504 58265 10936 55792 31138 81818
52601 38375 74521 21248 98607 80930 86167 14074 97503 09968
87041 66259 42596 80740 84214 09425 43812 97393 97396 82325
55235 79658 06515 17057 20689 46434 04388 14418 58295 93934
10238 72822 50401 47007 45828 59842 06353 74724 59547 60166
11731 66289 28241 14506 74604 63318 64693 48618 32647 33530
32502 94386 35877 13027 35591 61129 51149 60638 14799 02018
29332 21863 86685 36008 34796 02547

11409/13509/14609, 18-07, 0600/0620/0640 UTC

456 456 456 000

06292 00001 00000 10140

10943/10243/9243 kHz, 21-07, 1730/1750/1810 UTC

922 922 922 000

08340 00001 00000 10140

11409/13509/14609, 22-07, 0600/0620/0640 UTC

456 456 456 1

03092 00147 95374 91436 07961 52019 70035 70046 52320 27519
78097 12757 99514 58297 37041 27807 09536 76704 53061 08296
24091 71948 43705 44254 43526 93501 45946 35056 56518 31273
25716 52951 13151 31791 20185 93642 50567 64593 08184 30625
50243 87275 72051 66910 56666 40002 82668 02899 13692 74936
71954 03462 69814 41420 25741 79115 16546 19684 81740 66705
37484 47216 16884 81207 62393 17578 41502 66251 40268 14492
39457 98095 25482 51608 42540 22994 68677 61492 03221 90049
26300 99233 94006 19484 61920 47437 86216 14940 83767 82432
85002 11731 22577 72101 51247 95585 41919 86503 50916 79893
41606 07908 12551 16996 35278 22336 37454 28390 79831 64402
62005 80441 65216 95981 36312 28220 74755 09187 50359 62443
99518 20478 75382 91692 85452 16487 50772 39768 48269 25603
71137 53449 02285 93849 42131 18594 78650 65587 24597 49914
75104 08734 97576 46781 68323 07931 24172 06426 85379 20163

10943/10243/9243 kHz, 23-07, 1730/1750/1810 UTC

922 922 922 000

08702 00011 00000 10100

11409/13509/14609, 25-07, 0600/0620/0640 UTC

456 456 456 000

07704 00001 00000 10140

11409/13509/14609, 29-07, 0600/0620/0640 UTC

456 456 456 000

06328 00001 00000 10140

10943/10243/9243 kHz, 28-07/30-07, 1730/1750/1810 UTC

922 922 922 1

00392 00209 98697 43395 75158 51963 16034 70117 07744 56374
00004 98700 05543 41467 53048 79412 64134 13107 18163 21780
01229 43243 39088 10618 95553 93299 99262 83141 46018 07306
57907 41706 60707 23908 91682 94505 11714 99825 83627 02867
30685 05674 78465 49849 52696 43878 38709 35370 26083 37888
96687 90746 00068 27250 00862 73581 09738 28854 46834 64981
10095 93280 97923 68655 97756 06024 04037 51034 68142 98145
93935 26884 73469 01862 14459 74667 71033 87357 22317 29147
82702 61101 68514 49337 73433 60811 17215 20286 12003 48574
14012 70147 83829 88300 21257 41511 61484 08645 10050 98595
87607 92858 67174 78643 85371 22923 41154 15647 13427 98179
67659 92285 44518 98746 76902 91061 82062 22016 79921 19471
94047 69873 56691 10533 78081 14956 09100 91607 36906 63935
91391 08439 25763 40342 37725 48775 40913 98067 24271 09357
39228 41617 54973 94313 35807 77700 39762 95166 84414 86048
14676 25936 29221 29767 99272 77625 63889 15217 11485 18034
01413 88852 06398 46800 64890 71131 38445 59425 42410 61344
54485 55744 68186 26907 24005 54511 70947 53729 65005 96699
97674 34722 08814 13542 88851 10286 90171 99275 93164 40013
05445 53141 24869 81715 66154 20025 61170 51613 60187 30043
05425 77527 37169 88550 73451 82288 40766 21747 62611 20009
81021 42605



XPA2

15967/13884/12217 kHz, 03-07/04-07, 2100/2120/2140 UTC

04631 00085 21032 62513 11585 20464 93741 52907 28936 51029
09872 81623 27119 44635 34177 53347 74072 00674 32048 68983
42161 63778 26831 73147 30121 96441 11164 25844 48510 61429
15083 05397 69274 37707 45666 42301 79478 49739 66127 82334
42772 57451 56971 91938 89544 37207 52225 22876 51866 90391
71629 28286 61762 47490 00807 24318 34753 04432 37933 77445
42949 94288 64901 11863 42453 90835 58425 86246 63408 84093
03536 92114 42229 55177 29363 81776 59458 35937 39366 26569
29374 15331 96055 38819 22112 57984 07627 17730

14538/13538/12138 kHz, 05-07/07-07, 2100/2120/2140 UTC

06518 00119 80720 67354 91755 63308 16785 33202 68296 74228
40574 40112 10749 28090 49098 17489 08935 83453 04073 06206
48558 47806 14901 69737 87524 70857 21058 64483 93098 22290
07351 26126 81245 74459 71361 90512 87527 98384 03862 77768
30021 71156 07719 92503 01506 47063 92631 72584 14084 44105
76680 24465 16064 01946 10736 09904 42425 23566 66315 90131
54492 19709 39377 51563 19412 55514 97588 18850 88251 62942
13328 30606 53883 14154 15109 97553 50886 30287 69922 85441
53138 75016 53529 16116 56834 93111 13244 12363 47912 64196
29261 10470 36942 22861 13853 13470 64422 21883 51088 30919
97004 35283 15040 20941 29681 80001 60374 43368 47155 96314
31585 63495 88350 64469 28882 34567 91722 35377 16831 60371
02840 61401

15884/14984/14384 kHz, 07-07/09-07, 1900/1920/1940 UTC

00699 00075 70308 44976 65003 83829 05146 54995 05822 10330
99082 74943 85771 03579 13784 19452 60488 25349 55542 12154
79113 69017 92070 12786 64770 49035 97868 20265 88238 93962
04675 52878 15828 09577 11550 14890 30530 65155 77830 33984
26500 48837 96550 42353 74737 68560 57247 51891 31613 55975
04435 52230 99735 22459 38929 56356 87510 84446 58036 38369
95600 68827 04148 13390 51804 20215 74447 74588 17362 85997
77590 33888 93407 90992 88328 48080 96269 56605

20173/18673/17473 kHz, 10-07, 0700/0720/0740 UTC

00525 00109 71104 22442 24905 49384 77076 05812 87299 78774
38462 36603 58693 02720 47654 34504 46344 03198 07065 61254
88376 58358 55238 38443 09631 25159 77063 20166 58163 12921
61609 41848 72627 56239 23243 80997 41007 32572 27979 21761
67787 17987 94972 22160 74759 24819 82035 55770 97549 61533
66384 75439 76565 55903 08955 04165 90291 62689 97663 22704
50910 74955 02180 29664 61404 05963 77314 13674 69757 66395
09819 82874 19967 94488 50559 17714 05554 52531 21999 98034
59837 35079 04116 12471 30847 23272 93390 96560 98931 97119
23439 22082 38613 11864 10890 33693 55599 16978 55114 41552
26493 20727 46840 77669 04823 66934 41614 45423 73414 19286
22788 64023

15967/13884/12217 kHz, 10-07/04-07, 2100/2120/2140 UTC

00001 00000 10140

14538/13538/12138 kHz, 12-07, 2100/2120/2140 UTC

05330 00001 00000 10140

20173/18673/17473 kHz, 14-07, 0700/0720/0740 UTC

07692 00001 00000 10140

15884/14984/14384 kHz, 14-07, 1900/1920/1940 UTC

07740 00001 00000 10140

14538/13538/12138 kHz, 14-07, 2100/2120/2140 UTC

07847 00001 00000 10140

15884/14984/14384 kHz, 16-07, 1900/1920/1940 UTC

05300 00001 00000 10140

20173/18673/17473 kHz, 17-07, 0700/0720/0740 UTC

07692 00001 00000 10140

20173/18673/17473 kHz, 21-07, 0700/0720/0740 UTC

07692 00001 00000 10140

20173/18673/17473 kHz, 24-07, 0700/0720/0740 UTC

05371 00001 00000 10140

15967/13884/12217 kHz, 25-07, 2100/2120/2140 UTC

03371 00001 00000 10140

14538/13538/12138 kHz, 26-07, 2100/2120/2140 UTC

05673 00001 00000 10140

15967/13884/12217 kHz, 17-07/18-07, 2100/2120/2140 UTC

09131 00173 56081 54702 97428 59157 39302 39246 38749 84432
38798 90692 76054 41419 34590 34897 82870 74829 50049 21303
57159 55804 53092 13312 91860 28307 08748 79641 95560 72144
34582 73319 45551 80392 25174 50439 86262 53897 29630 07191
62599 12033 35757 47080 52812 34047 13738 95419 07491 15268
50155 34480 08610 79298 08679 73910 62864 78367 85547 51762
63626 41073 56981 03387 24512 78065 44374 24274 68017 79198
87115 40242 79487 21383 86910 49748 15712 35113 73129 11449
49755 90054 03384 24290 77026 60168 16057 93140 76402 95116
66339 25609 82884 36013 28212 22269 11735 82198 85711 14934
84956 78424 15696 97080 34135 79062 99295 50184 04930 06814
31818 71150 70722 71126 18800 78655 41464 43347 11620 20218
93014 97350 41589 17822 03545 33419 76726 43392 99621 64344
18893 40137 55544 86820 33138 31281 04460 87579 85801 01828
04790 54695 05647 60198 82371 93964 47311 12710 84601 78738
92633 15349 49306 20443 37115 04132 99398 50333 22451 75423
56751 03104 72429 81035 75465 06582 78678 78565 07890 74773
35077 96233 09747 73736 15015 57342

14538/13538/12138 kHz, 19-07/21-07, 2100/2120/2140 UTC

03470 00081 71733 24185 91857 05862 20820 63450 87730 48459
60143 16571 20727 32952 40164 24151 98454 86102 38776 79226
45679 83125 24703 95421 48897 81869 44028 89781 62767 31856
84927 49950 18059 46890 66533 51033 51886 21814 07582 87269
86913 30717 40789 14928 53296 10231 15910 21850 42790 68761
97547 22223 10613 22399 21057 40881 73917 52374 62471 23788
92030 77880 94359 97959 72504 51137 49301 40329 47160 82967
32328 70805 81261 96955 94933 48669 35218 87394 51777 75921
94350 29352 98800 74606

15884/14984/14384 kHz, 21-07/23-07, 1900/1920/1940 UTC

01062 00117 54503 35213 37651 85448 21921 31650 64156 01754
98836 52509 90848 75179 22676 24820 72958 47965 97292 04560
45572 57016 84364 48932 08407 90864 14341 71393 90164 30288
21579 38289 45571 92287 22598 18432 02813 24328 42159 93603
06974 42081 07623 29801 19919 57883 29809 02467 08582 72986
72749 62983 68164 48885 44053 81337 79246 03344 39560 73839
82789 32962 48822 71766 34640 91616 78373 92648 14719 12268
87695 88555 90668 90685 03602 34366 14033 44135 10666 47818
44679 01930 39754 91805 96822 46107 85962 10988 94122 00174
45414 72221 75673 49833 05272 77397 66151 31047 00781 20739
38483 65177 43656 71939 61008 27321 83382 08095 94407 71832
19641 45073 23012 21242 15995 57478 61587 49167 38696 45153

15967/13884/12217 kHz, 18-07/24-07, 2100/2120/2140 UTC

02719 00111 33064 57991 29695 86092 01064 21653 78382 65597
73379 25857 12395 90835 26483 25696 64325 54122 80388 11603
54374 05068 36052 77876 75840 32386 47651 93615 67844 16843
40873 37647 45962 24107 74052 45990 62120 65650 06015 82708
91543 20428 68343 64871 69919 44447 06185 15377 54305 75898
18752 91547 13287 47712 13328 19540 13440 45394 55751 62160
13957 93867 97206 33056 99030 45938 83826 03342 62390 77035
64953 31724 50704 87174 55509 71282 83655 80002 42247 37448
47099 71212 95588 53063 16673 59741 26658 24878 06110 07264
07621 96634 18700 83943 21399 59514 73832 92508 83555 79865
91937 26433 00642 07030 09996 27448 80436 10163 80579 94104
74175 45584 49030 21035

20173/18673/17473 kHz, 28-07/31-07, 0700/0720/0740 UTC

00716 00125 66238 88658 75122 45986 96535 13042 66348 20457
99205 02201 19577 67482 51319 43375 33058 95139 32054 09206
57929 88136 58520 58183 96403 54723 18996 53204 46560 62748
44740 23718 15991 83348 37316 81278 11557 74343 65478 35201
29461 90377 20240 08980 32787 77240 64604 82597 88767 07940
52504 06349 11083 68845 63977 76872 73554 75339 01369 75277
64738 58924 62652 85193 33522 57370 40206 39394 15281 06768
80127 70379 97414 07100 60621 22832 40549 95947 41993 41654
33092 45409 36371 29921 63745 18383 15191 38948 46129 33847
57530 70506 93889 49193 13245 95726 21133 50724 86873 56359
06963 37446 72395 14937 87976 72863 65779 29998 02409 29767
24135 77266 53532 56861 21562 52904 96560 16340 85964 23522
30222 36933 61402 07586 75226 95195 60996 20500

15884/14984/14384 kHz, 28-07/30-07, 1900/1920/1940 UTC

03571 00105 25529 63581 15411 84883 53736 34158 48904 29514
53377 36384 54183 38048 21775 36794 91036 10379 90737 66693
38689 59653 79126 68616 94590 02733 06463 69576 05161 36952
60931 00863 37996 73356 77961 61630 83795 17203 30795 17503
59789 29507 46483 36367 53304 85730 37367 10711 41440 30327
88812 37725 61774 01499 39953 67678 50288 48496 85550 09013
90801 28735 15867 64891 50933 63045 95998 17092 50595 61626
10422 09839 84072 60847 85828 16317 39298 70004 57306 56607
87831 91182 17155 32647 42360 32366 68542 19128 29452 32831
78912 07396 60916 12880 71317 01916 75101 24555 54212 29984
81902 14939 54058 92010 30953 16957 01815 56707

14538/13538/12138 kHz, 28-07, 2100/2120/2140 UTC

05923 00001 00000 10140

15967/13884/12217 kHz, 31-07, 2100/2120./2140 UTC

07244 00001 00000 10140



POL FSK
(E11 family)

13537 kHz, 01-07, 0530/0535 UTC, FSK 100/625

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 01-07, 0845/0850 UTC, FSK 100/625

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 01-07, 1305/1310 UTC, FSK 100/625

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 02-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000

14940 kHz, 02-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 02-07, 1005 UTC, FSK 100/740

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 02-07/05-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437
88888 88888 15670 76919 49999 60282 15225 29387 00580 11870
61367 42716 01809 03759 87273 50659 83255 04407 38121 59983
85090 73393 70222 61223 07455 13118 60340 04055 35388 29293
16970 66862 38300 44859 88888 88888
00036 00036

13537 kHz, 03-07, 0530/0535 UTC, FSK 100/740

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 03-07, 0655/0700 UTC, FSK 100/740

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 03-07, 0815/0820 UTC, FSK 100/740

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 03-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 03-07/05-07, 1405/1410 UTC, FSK 100/740

0877 0877 0877 0877 0877
88888 88888 89772 88129 63913 48087 29708 27093 79586 23382
68049 06039 56340 73674 14622 49024 68153 12505 72907 25728
87229 51793 68924 34195 03510 55079 44006 61063 67960 44988
55287 36315 55384 19183 41876 00820 89087 21816 81202 72906
88888 88888
00042 00042

16005 kHz, 05-07, 1425/1430 UTC, FSK 100/740

0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 06-07, 0800/0805 UTC, FSK 100/740

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 06-07, 0815/0820 UTC, FSK 100/740

0446 0446 0446 0446 0446
88888 88888 49458 87851 41144 04536 44017 83815 36887 45484
88301 75209 49571 84629 36812 51961 42614 71477 91686 39973
90812 79367 26438 11966 52224 08874 06067 41354 02755 87007
97210 41322 96702 27471 78017 92277 23041 88888 88888
00039 00039

13424 kHz, 06-07, 0845/0850 UTC, FSK 100/740

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 06-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 07-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 07-07, 0655/0700 UTC, FSK 100/740

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 07-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 07-07/10-07, 1005/1010 UTC

0675 0675 0675 0675 0675
88888 88888 20064 06157 82110 77939 03517 43050 63698 70606
27629 30379 72847 27410 07123 68930 28340 26251 14099 30201
33781 77368 69958 20069 56686 75210 29949 53684 57394 55357
02080 02014 91769 53460 73153 03792 19008 90412 32522 88888
88888
00041 00041

8456 kHz, 08-07, 0300/0305 UTC, FSK 100/740

0231 0231 0231 0231 0231
88888 88888 98302 68712 65531 43915 82866 64927 73809 10986
97251 75418 77564 64109 90166 59478 17086 27159 38895 71088
11622 37702 09854 15356 52718 85489 85626 13988 36459 00726
66780 13134 41740 44669 85164 88888 88888
00037 00037

13424 kHz, 08-07, 0845/0850 UTC, FSK 100/740

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 08-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8456 09-07-20, 0300/0305 UTC, FSK 100/740

0231 0231 0231 0231 0231
88888 88888 98302 68712 65531 43915 82866 64927 73809 10986
97251 75418 77564 64109 90166 59478 17086 27159 38895 71088
11622 37702 09854 15356 52718 85489 85626 13988 36459 00726
66780 13134 41740 44669 85164 88888 88888
00037 00037

13470 kHz, 09-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14940 kHz, 09-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 09-07, 1000/1005 UTC, FSK 100/740

0765 0765 0365 0765 0765
88888 88888 53197 01948 10104 69284 87737 44205 75102 00266
65256 96189 34809 59857 32259 14841 33834 37968 60812 52457
86617 47641 23614 75700 93370 95105 95431 01476 52815 29392
85940 29768 24203 95651 21143 42517 88888 88888
00038 00038

7727 kHz, 09-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 10-07, 0530/0535 UTC, FSK 100/740

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 10-07, 0655/0700 UTC, FSK 100/740

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 10-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 10-07, 1405/1410 UTC, FSK 100/740

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 10-07, 0815/0820 UTC, FSK 100/740

0446 0446 0446 0446 0446
88888 88888 49458 87851 41144 04536 44017 83815 36887 45484
48301 75209 49571 84629 36812 51961 42614 71477 91686 39973
90812 79367 26438 11966 52224 08874 06067 41354 02755 87007
97210 41322 96702 27471 78017 92277 23041 88888 88888
00039 00039

7727 kHz, 12-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 12-07, 1405/1410 UTC, FSK 100/740

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 13-07, 0800/0805 UTC, FSK 100/740

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 13-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547
88888 88888 33310 20396 81874 07147 29699 31424 95978 40005
12959 61538 38115 47032 10117 69597 06634 61909 04544 82395
71906 13088 71958 97111 41608 70879 05847 49688 93784 81993
69353 88862 30551 12848 08028 57578 88888 88888
00038 00038

13470 kHz, 14-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574
88888 88888 15377 37417 43097 85088 11284 86461 17899 73443
84810 99259 32261 16780 43809 64980 63891 10253 93269 00310
07396 50827 26297 93074 68939 54633 36565 50212 11873 41400
22786 97931 09840 61057 43800 67018 73221 88888 88888
00039 0039

14940 kHz, 14-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433
88888 88888 31462 75971 60391 29974 84057 70511 18721 64214
64159 92479 22672 57339 71724 64881 45006 12757 13668 35989
85855 38015 43859 21281 71794 95826 43716 70969 38865 21709
38357 51909 65885 93824 23291 88888 88888 00037 00037

8423 kHz, 14-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554
88888 88888 16268 81728 36293 89379 13767 11240 14069 42279
09547 95432 67757 90545 30955 97301 45925 07517 77785 90999
02245 64319 10507 95495 62331 39892 99207 02592 45520 94233
23217 86231 88888 88888
00034 00034

12067 kHz, 14-07, 1005/1010 UTC, FSK 100/740

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

10210 kHz, 14-07, 1030/1035 UTC, FSK 100/740

0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

15690 kHz, 14-07, 1245/1250 UTC, FSK 100/740

0132 0132 0132 0132 0132 00000 00000 00000 00000
00000 00000 00000 00000 00000 00000

8456 kHz, 15-07, 0300/0305 UTC, FSK 100/740

0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 15-07, 0845/0850 UTC, FSK 100/740

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8456 kHz, 16-07, 0300/0305 UTC, FSK 100/740

0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 16-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574

88888 88888 15377 37417 3097 85088 11284 86461 17899 73443

84810 99259 32261 16780 43809 64980 63891 10253 93269 00310

07396 50827 26297 93074 68939 54633 36565 50212 11873 41400

22786 97931 09840 61057 43800 67018 73221 88888 88888

00039 00039

14940 kHz, 16-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433

88888 88888 31462 75971 60391 29974 84057 70511 18721 64214

64159 92479 22672 57339 71724 64881 45006 12757 13668 35989

85855 38015 43859 21281 71794 95826 43716 70969 38865 21709

38357 51909 65885 93824 23291 88888 88888

00037 00037

6480 kHz, 16-07, 0800/0805 UTC, FSK 100/740

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 16-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 17-07, 0655/0700 UTC, FSK 100/740

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 17-07, 0815/0820 UTC, FSK 100/740

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 17-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554

88888 88888 16268 81728 36293 89379 13767 11240 14069 42279

09547 95432 67757 90545 30955 97301 45925 07517 77785 90999

02245 64319 10507 95495 62331 39892 99207 02592 45520 94233

23217 86231 88888 88888

00034 00034

12067 kHz, 17-07, 1005/1010 UTC, FSK 100/740

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 17-07, 1405/1410 UTC, FSK 100/740

0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042 00042

7727 kHz, 19-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 19-07, 1305/1310 UTC, FSK 100/740

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 20-07, 0800/0805 UTC, FSK 100/740

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 20-07, 0820/0825 UTC, FSK 100/740

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 20-07, 1000/1005 UTC, FSK 100/740

0765 0765 0763765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 20-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 21-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0754 00000 00000 00000 00000 00000 00000 00000 00000 00000

14575 kHz, 21-07/24-07, 0655/0700 UTC, FSK 100/740

0684 0684 0684 0684 0684

88888 88888

97512 85845 49986 72638 89489 07220 96729 79139 87942 73583

22613 98153 85978 98151 31776 83111 34361 07964 80137 72542

54214 22802 66394 57698 63967 82740 27188 13800 72141 91954

34702 12994 11333 38140 66497 68513 63149 88888 88888

00041 00041

13424 kHz, 22-07, 0845/0850 UTC, FSK 100/740

0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 22-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 23-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574 00000 00000 00000 00000 0000 00000 00000 00000 00000

14940 kHz, 23-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 23-07, 0800/0805 UTC, FSK 100/740

0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 23-07, 1000/1005 UTC, FSK 100/740

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 23-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 23-07, 0530/0535 UTC, FSK 100/740

0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000

13046 kHz, 24-07, 0815/0820 UTC, FSK 100/740

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000

8423 kHz, 24-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 24-07, 1005/1010 UTC, FSK 100/740

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000

14972 kHz, 24-07, 1405/1410 UTC, FSK 100/740

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 26-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000

16112 kHz, 26-07, 1610/1615 UTC, FSK 100/740

0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000

6480 kHz, 27-07, 0800/0805 UTC, FSK 100/740

0434 0434 0434 0434 0434
88888 88888 53258 36690 84154 62713 95850 50506 33237 36632
62648 17492 83945 70596 65540 13687 33779 98993 50850 52478
45895 17103 68579 77699 24747 41619 97278 65119 81867 90236
67029 48676 23500 64014 29802 70222 63563 88888 88888
00039 00039

13046 kHz, 27-07, 0815/0820 UTC, FSK 100/740

0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 27-07, 0845/0850 UTC, FSK 100/740

0353 0353 0353 0353 0353
88888 88888 14522 24863 62437 12628 18255 69975 64878 93332
37754 18012 86696 16090 93000 75700 58844 55482 31666 92132
27526 12736 63125 16606 42791 71960 42575 30389 65703 45411
94847 18474 73076 30011 13514 88888 88888
00037 00037

16388 kHz, 27-07, 1000/1005 UTC, FSK 100/740

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7837 kHz, 27-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16005 kHz, 27-07, 1525/1530 UTC, FSK 100/740

0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 28-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14557 kHz, 28-07, 0655/0700 UTC, FSK 100/740

0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14940 kHz, 28-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 28-07, 1010/1015 UTC, FSK 100/740

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

10210 kHz, 28-07, 1030/1035 UTC, FSK 100/740

0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13424 kHz, 29-07, 0845/0850 UTC, FSK 100/740

0353 0353 0359 0353 0353
88888 88888 14522 24863 62437 12628 18255 69975 64878 93332
37754 18012 86696 16090 93000 75700 58844 55482 31666 92132
27526 12736 63125 16606 42791 71960 42575 30389 65703 45411
94847 18474 73076 30011 13514 88888 88888
00037 00037

15690 kHz, 29-07, 1245/1250 UTC, FSK 100/740

0132 0132 0132 0132 0132
88888 88888 27003 27161 33463 44211 30496 42572 88043 52987
15343 56984 77428 32524 54364 28347 81472 92111 19177 18921
31106 62975 28981 87218 72140 09453 82467 58054 69816 41519
14183 16514 92657 88888 88888
00035 00035

7837 kHz, 29-07, 1305/1310 UTC, FSK 100/740

0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13470 kHz, 30-07, 0630/0635 UTC, FSK 100/740

0574 0574 0574 0574 0574 00000 00000 00000 00000 0000 00000 00000 00000 00000 00000

14940 kHz, 30-07, 0730/0735 UTC, FSK 100/740

0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

16388 kHz, 30-07, 1000/1005 UTC

0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

7727 kHz, 30-07, 1305/1310 UTC, FSK 100/740

0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

13537 kHz, 31-07, 0530/0535 UTC, FSK 100/740

0453 0453 0453 0453 0453

88888 88888 41988 45614 77904 76361 61282 29554 16991 15055

82119 70629 38920 20741 74204 65100 68078 42460 13559 16465

79975 10876 54542 74497 97464 68389 09651 36802 30955 36523

06944 25088 00923 88888 88888

00035 00035

8423 kHz, 31-07, 0900/0905 UTC, FSK 100/740

0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

12067 kHz, 31-07, 1005/1010 UTC, FSK 100/740

0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

14075 kHz, 31-07, 1405/1410 UTC, FSK 100/740

0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000



Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

16066 kHz, 15-07, 2115 UTC, SITOR-A. Logged by Antonio.

MFA Cairo with a message for the Egyptian embassy in Washington, DC.

4/A

NNN

FROM : 71

TO : WASHINGTON

TIME &RCVB RCVB RCVB RCVB RCVB RCVB RCVB RC DATE: 15:56,RCVB RCVB RCVB WEDNESDAY, JULY 15, 2015

NUMBER OF GROUPS: 319

URGENT

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002A0 89D21 00F4C D4020 03D2A C10B3 49402 462DD 83293 1EDD4

00010 100A8 EF7AA A349D 2CB30 07D7C 99D92 B070F 1A1EC 4CE02

9DD79 1A65F 4006 110C0 3A4E4 2938A D0160 F577F E3836 9BCC1

EF449 C5F80 C4C91 EDC41 B4163 438BA 28460 BFB4D 0BC33 4B9E9

1786A 959F8 43A23 50D32 465D6 F7E47 D5953 B296B 7C2C5 B02DA

02C6B EBDE2 164B6 B4E55 5EDA3 261D0 9F126 D5925 64952 75631

27C1C 1BC0E AD547 D815A 45A59 52B4D D4C83 06F0E 6F597 BYP

EID22 D51FA AF4EC 191CD 87CF9 8292A EE7FF B413A 87A12 F877F

29E90 947E4 56C09 78D48 B0F27 E8F67 0AACB 2E22C 4A01D 27907

FB28B D6E27 A5902 1FA81 72C91 F4AF0 3936E F2AD7 34077 71B2E
762A0 5610B 4D33B F970D 50845 ABE96 FD63F D3B97 93CE0 C30A9
0FD3D 5F066 F0473 E84F0 46CB5 5D459 C83D7 16105 31D63 E5871
0325B 1075C 14C91 0329E 1DA59 2D9AB ABM
EUA5 017CC 3337B 33E2A
DAA79 C1CA7 FCC58 BD6A5 D0B6F FC15A 0098A 9F50A 98ED3 BFCF6
6DBA1 3835A 476DA 66362 9602D 0A95F 4B138 D1B86 0BD6C B2644
52B4A 71CE4 A1EFE 21DE7 60E18 BD1C6 5D805 90542 2C453 AF7F4
3A759 DFC97 E4568 50865 4F756 25BBB 171A3 B04C2 5BCC2 823B
265E3 9D52D 8F191 A78A5 327CA 5C7CFEF6C D6353 09DC6 C9D81
A5A2C 3B1B7 1E182 80D8A D1E06 1A888 55E33 61B2D D3F5FPWUU
A3776 44FC5 110B1 0C10C 92A2A 2E7C3 ECCAD 0AEC3 DFF62 4E910
E1077 AB1BB 60E59 A8BA5 BD60D E6747 6EEA4 CF264 B9213 53C7A
FB54A 3C?/.1D5 EDD81 C24A1 3D1A5 C86EC 7F185 63(APA 193F6
896EE D31EC B827C BDFFO F448F AC566 20F56 60708 8BDAA 8C321
8D688 78A38 BC9EC DE3DC 1BB83 C6FE0 1EDE7 ?30 422B2 4B78B
1A429 680FB A9DED411 57108 02E87 E7436%5 77ROU D273C 4E558
880E4 853D7 C60FC C6453 B7707 78D7E 800EA 4499F B2B1B 4F9D8
5C9E2 FCAA0 D83A1 2B7DE B4B16 1CDD7 EB7B1 A299E 753B
278D5 82243 4AC7F 626F5 191C1 E434D 7CDDE E8544 B6B8F 3FE57
FFAC1 3752A 9F5C4 8D2C0 F5182 5E91C 5FDB0 B33FC EBABB 82AAE
8CDF1 CE9BE 6419A C582A DF7BD CB264 08C93 A76F0 85493 149F2
B2CE4 1F929 6227A 7972C E79B5 33A51 F7DD1 CB2F7 34663 D46C8
338B0 52E06 D5227 AC5B5 10A73 9450D D2CDC A94B8 B1E07 5
NNNNNN
HJKJ TYS WM+?888

18101.7 kHz, 15-7, 1122 kHz, SITOR-A 100/170 MFA Cairo clg XBVF embassy Madrid



Chinese diplomatic stations

Mode: 4+4 75/1000 LSB

16430 kHz, 29-06, 2250 UTC, 4+4 QPSK 75/1000 LSB. Logged by Nils DK8OK.
The whole transmission in several blocks was decoded with W-Code as follows.

JYJYJYJYJY HR CY U MSG QSA3-4
JYJYJYJYJY HR CY U MSG QSA3-4
JYJYJYJYJY HR CY U MSG QSA3-4
JYJYJYJYJY HR CY U MSG QSA3-4
JYJYJYJYJY HR CY U MSG QSA3-4

QSL+QSL+QSL+

JYJYJYJYJY HR CY U MSG GD QSL2341
JYJYJYJYJY HR CY U MSG GD QSL2341
JYJYJYJYJY HR CY U MSG GD QSL2341
JYJYJYJYJY HR CY U MSG GD QSL2341
JYJYJYJYJY HR CY U MSG GD QSL2341

JYJYJYJYJY HR CY U MSG GD QSL2341
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JYJYJYJYJY HR CY U MSG GD QSL2341
JYJYJYJYJY HR CY U MSG GD QSL2341

FTVG FTVG FTVG DE HZTM HZTM HZTM QSA+
JJJ FTVG FTVG FTVG DE HZTM HZTM HZTM QSA+
JJJ FTVG FTVG FTVG DE HZTM HZTM HZTM QSA+
JJJ FTVG FTVG FTVG DE HZTM HZTM HZTM
FTVG FTVG FTVG DE HZTM HZTM HZTM
JYJYJYJY EF MSG GA PSE NOTE CY

0023 19 18 0629 2357
7750 2672 8775 0267 2677 5026 2787 7502 6728 7750
2672 8775 0267 2877 5026 7287 7502 6728 7750

JYJYJYJY MSG CU HW JJJ

QSL+QSL+QSL+

JYJYJYJYJYJY CY U QSA3 U PEUZ
JYJYJYJYJYJY CY U QSA3 U CY HW+
JYJYJYJYJYJY CY U QSA3 U CY HW+
JYJYJYJYJYJY CY U QSA3 U CY HW+

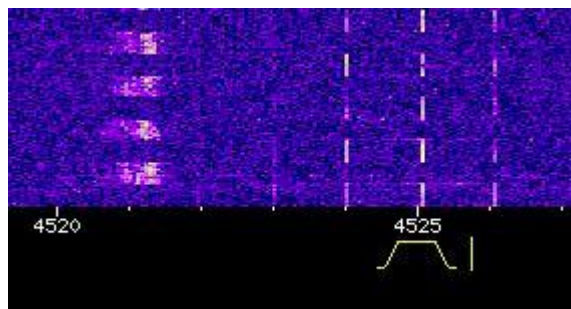
QSL+QSL+QSL+

JYJYJYJYJYJY CY U GD QSL0007 ZOX NIL SK HW+ JYJYJYJYJYJY CY U GD QSL0007 ZOX NIL SK HW+ JYJYJYJYJYJY CY U GD QSL0007
ZOX NIL SK HW+ JYJYJYJYJYJY CY U GD QSL0007 ZOX NIL SK HW+
32

UTILITY ROUND-UP



Unid stations



4525 kHz, 27-07, 2128 UTC

Unid marker with a harmonic on 4521, 4523, 4526 kHz

Recording on the N&O website

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Wolfgang, JPL, Nige



M32

Russian / CIS Military CW Stations

5214 kHz, 18-07, 1530 UTC

TD6T DE OFPQ QTC = 059 33 18 2125 059 =
 222 =
 11111 36853 96359 65953 52125 12481 45214 56753 49735 98739
 87345 38917 57346 12485 14954 21987 61259 24854 87547 81245
 48754 87591 24759 48549 28742 78257 45454 75817 25415 12471
 18030 kHz,=
 222 K
 DE TD6T R 059 K
 RPT K
 RPT K
 DE TD6T R 059 K
 R K

8608 kHz

19-07, 1354 UTC XXX XXX WEGI WEGI 59170 10978 FANT 1753 9686 K
 20-07, 0945 UTC XXX XXX RGT77 RGT77 63382 95837 ASCENA 7135 2285 K
 20-07, 0946 UTC RDL RDL RDL 03556 55967 03556 55967 03556 55967 K
 20-07, 0948 UTC XXX XXX WEGI WEGI 44373 69314 DRAWIROWKA 1444 0470
 20-07, 0949 UTC XXX XXX WEGI WEGI 44373 69314 DRAWIROWKA 1444 0470 K

7838 kHz, 20-07, 0951 UTC XXX XXX LOMO LOMO 37439 BORMEST 4859 6347 K

14011 kHz, 28-07, 1249 UTC

16NC DE ZLKG QRJ3 QJZ QYT9 K
 16NC DE ZLKG QTC
 32189 34651 89113 56432 15898 34789 31218 29353 86811 02031
 O31C DE ZLKG
 ZDE ZFM ZJR ZXB ZAX ZKU QYT6
 6X5Y DE ZLKG QBE QRJ3 QYT8 K



M32a

Russian Navy

Voyenno-Morskoy Flot Rossii

4635 kHz, 09-07

2116 UTC RBC89 116 17 10 0001 116 = FOR RJH74 RJH74 = 09211 99667 10424... 22232... = + RBC89 K

4635 kHz, 10-07

0020 UTC RJP71 318 17 10 0310 318 = SML FOR RJH74 RJH45 = 10001 99651 10360... 22200... = + RJP71 K
 1825 UTC RAY85 232 17 10 2100 232 = FOR RJH74 RJH74 = ... faded... 99665 10344... 22200... = + RAY85 K
 2113 UTC RAY85 138 17 10 0011 138 = FOR RJH74 RJH74 = 10211 99665 10344... 22200... = + RAY85 K

4635 kHz, 11-07

0007 UTC RJP71 361 17 11 0302 361 = SML FOR RJH74 RJH45 = 11001 99651 10360... 22200... = + RJP71 K
 2105 UTC RAY85 178 17 12 0001 178 = FOR RJH74 RJH74 = 11211 99665 10345... 22200... = + RAY85 K
 2125 UTC RHN88 343 19 12 0017 343 = 71112 39608... = + RHN88 K

4635 kHz, 12-07

0003 UTC RJP71 213 17 12 0 300 213 = SML FOR RJH74 RJH45 = 12001 99651 10360... 22200... = + RJP71 K

12464 kHz, 10-07

RIW DE RGV87 K - OK QYT4 QWH 9523 12414 FM RAA K
 1038 UTC RIW DE RCRE QSA3 K OK QAP K - QRR3 QDW 12720 K - QSU1 QSX 8788 OK? K
 1102 UTC RMRV: SMOLNY . RIW DE RMRV K - RIT DE RMRV QYT4 QSA? K - OK QYT4 QSX 7404 K - OK QYT4 QSX 11733 K
 0609 UTC RCV DE RHM81 QSA2 K OK QAP K

4598 kHz, 16-07

1804 UTC RKH80 799 1? 16 2100 799... 22263... = + RKH80 K
 1807 UTC RJC66 DE RBGE QSA? QTC K
 1809 UTC RBGE 760 16 16 2101 760 = SML FOR RJD38 RIF4 = 1618? 99600 10285... 22262... = + RBGE K
 1814 UTC RJC66 DE RFE76 QSA? QTC K
 1816 UTC RFE76 589 18 16 2112 589 = SML FOR RJD38 RIF4 = 16181 99601 10293... 22200... = + RFE76 K

4416 kHz, 160-7

1853 UTC RJD56 DE RJP56 QSA? QTC K
 1900 UTC RJP56 QSL 419 K
 1902 UTC ... 858 = FOR RJH74 RJH45 = 16181 9969? 10323... 22252... = + RJP56 K
 2107 UTC RJP56 527 17 17 000? 527 = FOR RJH74 RJH45 = 16211 99697 1033?... 222??... = + RJP56 K

4416 kHz, 17-07

0003 UTC RJD56 DE RMNN QSA? QTC K
 0007 UTC RMNN 398 15 17 0300 398... 1700? 996?? 1039?...

12720 kHz, 10-07, 1043 UTC VVV RCRE RCRE RCRE DE RIW RIW ZZD? K
 15586 kHz, 10-07, 1035 UTC RJT22 DE RCV QSA? K 1036Z RFK76 DE RCV QSA? K
 19201 kHz, 10-07, 0955 UTC RJT22 DE RCV QSA? K
 8345 kHz, 16-07, 1510 UTC RBES 932 34 16 1801 932 = FOR RMP RIW = 11111 52005... 16031 = + RBES K

4527 kHz, 17-07, 1906-1910 UTC

RGR88 DE RMW46 ZSA ? K
 RGR89 DE RMW46 ZSA ? K
 RGR90 DE RMW46 ZSA ? K
 RGR91 DE RMW46 ZSA ? K
 RGR92 DE RMW46 ZSA ? K
 RFS46 DE RMW46 ZSA ? K
 RGR93 DE RMW46 ZSA ? K
 RGR94 DE RMW46 ZSA ? K
 RGR95 DE RMW46 ZSA ? K
 RGR96 DE RMW46 ZSA ? K
 RGR97 DE RMW46 ZSA ? K
 RGR98 DE RMW46 ZSA ? K
 RDQ81 DE RMW46 ZSA ? K



M32b
Russian Naval Aviation
Aviatsiya Voenno-morskogo Flota Rossii

8816 kHz, 10-07

1805 UTC RJF94 RJC38 DE 54406 QTO 1800 QRD XLWF XLMV QBD 18000 QRE 2020 K - QQL ULPE 1901 QBG 7700 K - QQM XLWF 2023 SK
 1841 UTC RJF94 RJC38 DE 45681 QTO 1836 QRD XLLV XUMB QRE 1950 QBD 1000 K - QQM XLLV 1940 SK
 1910 UTC RJF94 RJC38 DE 54405 QQL ULPE 1900 QBD 1030 QRE XLMV 1953 K
 2038 UTC RJF94 RJC38 DE 54406 QTO 2034 QRD XLMV XLWF QBD 12000 QRE 2304 K - QAY XLPB 1939 QBD 13800 QRE XLWF 2020 K - QAY XLPB 2114 QBD 7400 K - QQL ULPE 2152 QBD 9200 QRE XLMV 2300 K - QQM XLMV 2257 SK

2100 UTC RJF94 RJC38 DE 45681 QTO 2047 QRD XLMV XLLV QRE 2240 QBD 12500 K - QQL ULPE 2143 QBG 10650 QRE XLMV 2235 K - QQM XLMV 2235 SK

8816 kHz, 22-07

0645 UTC 45681 QTO 0637 QRD XLLV XLMV QRE 0837 QBD 11500
 0738 UTC 45681 QQL ULPE 0726 QBG 9100 QBD 7000
 0833 UTC 45681 QTC QQM XLLV 0834
 1022 UTC 45681 QTO 1015 QRD XUOM XLLV QRE 1210 QBD 14400
 1122 UTC 45681 QTH 5522 3741 QTR 1121 QBG 8200 QBD 10400
 1211 UTC 45681 QTC QQM XUOM 1211

LOGS SECTION

The logs are sorted on code, date and time

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
6083	---	1-7	1150	Wed	i.p. 055 055 055 43224 43224 (R4m) 00000 00000	CW	(Danix)
4525	---	27-7	2128	Mon	Unid marker with a harmonic on 4521 kHz	USB	(AB)
16430	CHN	29-6	2250		Chinese diplo. JYJYJYJYJY HR CY U MSG QSA3-4 (see N&O 214)	4+4 QPSK 75/1000 LSB	(DK8OK)
13825	E06	2-7	0500	Thu	679 453 102 80836	USB	(HFD)
13825	E06	2-7	0500	Thu	679 453 102 80836 92022 32049 ... 88344 58028 23421 453 102 00000	USB	(AB)
5948	E06	2-7	2028	Thu	724 613 20 14259 22676 32782 ... 73311 98089 12250 613 20 00000	USB	(AB)
13825	E06	3-7	0500	Fri	679 453 102 80836 92022 32049 ... 88344 58028 23421 453 102 00000	USB	(AB)
5731	E06	3-7	2130	Fri	315 728 20 14259 22676 32782 ... 73311 98089 12250 728 20 00000	USB	(AB)
19626	E06	5-7	1100	Sun	832 519 72 07477 27277 52164 ... 30508 66852 23093 512 72 00000	USB	(AB)
13825	E06	16-7	0500	Thu	679 453 102 80836 92022 32049 ... 88344 58028 23421 453 102 00000	USB	(AB)
15625	E06	16-7	0600	Thu	679 453 102 80836 92022 32049 ... 88344 58028 23421 453 102 00000	USB	(AB)
5948	E06	16-7	2030	Thu	724 613 20 14259 22676 32782 ... 73311 98089 12250 613 20 00000	AM	(AB)
5731	E06	17-7	2130	Fri	315 728 20 ...	USB	(Eric)
13898	E07	1-7	1700	Wed	817 817 817 000	AM	(AB/HFD)
12198	E07	1-7	1720	Wed	817 817 817 000	AM	(AB/HFD)
14812	E07	1-7	1900	Wed	845 1 914 40 914 40 24447 32453 83034 ... 61012 32517 20300 000 000	AM	(AB)
14812	E07	1-7	1900	Wed	845 1 914 40 24447	AM	(HFD)
13412	E07	1-7	1920	Wed	845 1 914 40 914 40 24447 32453 83034 ... 61012 32517 20300 000 000	AM	(AB/HFD)
11512	E07	1-7	1940	Wed	845 1 914 40 914 40 24447 32453 83034 ... 61012 32517 20300 000 000	AM	(AB/HFD)
11539	E07	2-7	2010	Thu	553 0	AM	(HFD)
10547	E07	2-7	2030	Thu	553 0	AM	(HFD)
9064	E07	4-7	0600	Sat	024 1 908 66 70158 85228 20370 ... 97188 04094 01355 000 000	USB	(AB)
10264	E07	4-7	0620	Sat	024 1 908 66 70158 85228 20370 ... 97188 04094 01355 000 000	USB	(AB)
11464	E07	4-7	0640	Sat	024 1 908 66 70158 85228 20370 ... 97188 04094 01355 000 000	USB	(AB)
13898	E07	5-7	1700	Sun	817 817 817 000	AM	(AB/MPJ)
12198	E07	5-7	1720	Sun	817 817 817 000	AM	(AB)
14812	E07	6-7	1900	Mon	845 845 845 000	AM	(AB)
13412	E07	6-7	1920	Mon	845 845 845 000	AM	(AB)
13989	E07	8-7	1700	Wed	817 817 817 000	AM	(AB)
12198	E07	8-7	1720	Wed	817 817 817 000	AM	(AB)
14812	E07	8-7	1900	Wed	845 845 845 000	AM	(AB/MPJ)
13412	E07	8-7	1920	Wed	845 845 845 000	AM	(AB)
11539	E07	9-7	2010	Thu	553 553 553	USB	(AB)
10547	E07	9-7	2030	Thu	553 553 553	USB	(AB)
13412	E07	13-7	1920	Mon	845 845 945 000	AM	(Dan/AB)
9064	E07	15-7	0600	Wed	024 024 024 000	USB	(AB)
10264	E07	15-7	0620	Wed	024 024 024 000	USB	(AB)
14812	E07	15-7	1900	Wed	845 845 845 000	AM	(Dan/MPJ)
13412	E07	15-7	1920	Wed	845 845 845 000	AM	(Dan/MPJ)
11539	E07	16-7	2010	Thu	553 553 553 000	AM	(AB)
10547	E07	16-7	2030	Thu	553 553 553 000	USB	(AB)
13898	E07	19-7	1700	Sun	817 817 817 000	AM	(AB)
14812	E07	20-7	1900	Mon	845 845 845 000	AM	(AB)
13412	E07	20-7	1920	Mon	845 845 845 000	AM	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
9064	E07	22-7	0600	Wed	024 024 024 000	AM	(AB)
10264	E07	22-7	0620	Wed	024 024 024 000	AM	(AB)
13898	E07	22-7	1700	Wed	817 817 817 000	AM	(AB/MPJ)
12198	E07	22-7	1720	Wed	817 817 817 000	AM	(AB/MPJ)
14812	E07	22-7	1900	Wed	845 845 845 000	AM	(MPJ)
13412	E07	22-7	1920	Wed	845 845 845 000	AM	(MPJ)
11539	E07	23-7	2010	Thu	553 553 553 000	AM	(AB)
10547	E07	23-7	2030	Thu	553 553 553 000	AM	(AB)
9064	E07	25-7	0600	Sat	024 024 024 000	USB	(AB)
10264	E07	25-7	0620	Sat	024 024 024 000	USB	(AB)
14812	E07	27-7	1800	Mon	845 845 845 000	AM	(MPJ)
9064	E07	29-7	0600	Wed	024 024 024 000	USB	(AB)
10264	E07	29-7	0620	Wed	024 024 024 000	USB	(AB)
13898	E07	29-7	1700	Wed	817 1 348 108 66741 66618 89990 ... 47733 83843 26061 000 000	AM	(AB/MPJ)
12198	E07	29-7	1720	Wed	817 1 348 108 66741 66618 89990 ... 47733 83843 26061 000 000	AM	(AB/MPJ)
10798	E07	29-7	1740	Wed	817 1 348 108 66741 66618 89990 ... 47733 83843 26061 000 000	AM	(AB/MPJ)
14812	E07	29-7	1900	Wed	845 845 845 000	AM	(AB/MPJ)
13412	E07	29-7	1920	Wed	845 845 845 000	AM	(AB/MPJ)
12166	E07a	1-7	2000	Wed	172 1 38672 2895 91 87475	USB	(HFD)
12166	E07a	1-7	2000	Wed	172 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
10766	E07a	1-7	2020	Wed	172 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB/HFD)
9266	E07a	1-7	2040	Wed	172 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB/HFD)
12213	E07a	3-7	1510	Fri	241 241 241 000	USB	(AB)
12173	E07a	4-7	0800	Sat	198 198 198 000	USB	(AB/HFD)
13973	E07a	4-7	0820	Sat	198 198 198 000	USB	(AB/HFD)
12166	E07a	8-7	2000	Wed	172 172 172 000	USB	(MPJ)
10766	E07a	8-7	2020	Wed	172 172 172 000	USB	(AB)
7933	E07a	9-7	0430	Thu	912 912 912 000	USB	(AB)
9133	E07a	9-7	0450	Thu	912 912 912 000	USB	(AB)
12213	E07a	10-7	1510	Fri	241 0	USB	(HFD)
11413	E07a	10-7	1530	Fri	241 0	USB	(HFD)
12173	E07a	11-7	0800	Sat	198 198 198 000	USB	(AB)
13973	E07a	11-7	0820	Sat	198 198 198 000	USB	(AB)
13898	E07a	12-7	1700	Sun	817 817 817 000	USB	(MPJ)
12198	E07a	12-7	1720	Sun	817 817 817 000	USB	(AB/MPJ)
12166	E07a	15-7	2000	Wed	172 1 38672 2895 91 87475 36978 16634 64883 18696 ...	USB	(AB/MPJ)
12166	E07a	15-7	2000	Wed	172 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
10766	E07a	15-7	2020	Wed	172 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
9266	E07a	15-7	2040	Wed	172 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
7933	E07a	16-7	0430	Thu	912 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
9133	E07a	16-7	0450	Thu	912 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
10233	E07a	16-7	0510	Thu	912 1 38672 2895 91 2895 91 87471 36978 16634 ... 05938 92735 02231 000 000	USB	(AB)
12213	E07a	17-7	1510	Fri	241 1 16258 1221 84 29270 44823 53662 75369 38841 ... 66092 69139 22931 53348 26084 000 000	USB	(MPJ)
11413	E07a	17-7	1530	Fri	241 1 16258 1221 84 29270 44823 53662 75369 38841 ... 66092 69139 22931 53348 26084 000 000	USB	(MPJ)
10113	E07a	17-7	1550	Fri	241 1 16258 1221 84 29270 44823 53662 75369 38841 ... 66092 69139 22931 53348 26084 000 000	USB	(MPJ)
9064	E07a	18-7	0600	Sat	024 024 024 000	USB	(AB)
10264	E07a	18-7	0620	Sat	024 024 024 000	USB	(AB)
12173	E07a	18-7	0800	Sat	198 1 16258 1221 84 29270 44823 53662 75369 38841 ... 66092 69139 22931 53348 26084 000 000	USB	(AB)
12166	E07a	22-7	2000	Wed	172 1 16966 9592 68 72821 86705 37860 ... 25012 91413 16081 000 000	USB	(AB/MPJ)
10766	E07a	22-7	2020	Wed	172 1 16966 9592 68 72821 86705 37860 ... 25012 91413 16081 000 000	USB	(AB)
9266	E07a	22-7	2040	Wed	172 1 16966 9592 68 72821 86705 37860 ... 25012 91413 16081 000 000	USB	(AB)
7933	E07a	23-7	0430	Thu	912 1 16966 9592 68 72821 86705 37860 ... 25012 91413 16081 000 000	USB	(AB)
9133	E07a	23-7	0450	Thu	912 1 16966 9592 68 72821 86705 37860 ... 25012 91413 16081 000 000	USB	(AB)
10233	E07a	23-7	0510	Thu	912 1 16966 9592 68 72821 86705 37860 ... 25012 91413 16081 000 000	USB	(AB)
12213	E07a	24-7	1510	Fri	241 241 241 000	USB	(AB/GHn)
12173	E07a	25-7	0800	Sat	198 198 198 000	USB	(AB)
13973	E07a	25-7	0820	Sat	198 198 198 000	USB	(AB)
12166	E07a	29-7	2000	Wed	172 172 172 000	USB	(AB/MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
10766	E07a	29-7	2020	Wed	172 172 172 000	USB	(AB)
7933	E07a	30-7	0430	Thu	912 912 912 000	USB	(AB)
9133	E07a	30-7	0450	Thu	912 912 912 000	USB	(AB)
12213	E07a	31-7	1510	Fri	241 241 241 000	USB	(AB/GHn)
11413	E07a	31-7	1530	Fri	241 241 241 000	USB	(AB)
13424	E11	1-7	0545	Wed	348/00	USB	(AB)
13427	E11	1-7	0900	Wed	534/00	USB	(AB)
13424	E11	2-7	0645	Thu	517/00	USB	(AB)
15632	E11	2-7	0745	Thu	335/00	USB	(AB)
9150	E11	2-7	0820	Thu	438/00	USB	(AB)
8088	E11	2-7	1730	Thu	416/00	USB	(AB)
13424	E11	3-7	0545	Fri	348/00	USB	(AB)
10487	E11	3-7	1710	Fri	955/27 Attention 75771 77717 96876 ... 59091 58086 50347 Attention, rpt msg, out	USB	(AB)
14865	E11	4-7	1705	Sat	399/32 Attention 57118 21157 67415 10203 44762 ... 18682 22616 51871 19177 13618 attention, rpt msg, out	USB	(MPJ)
17120	E11	5-7	0730	Sun	352/00	USB	(RX39)
14975	E11	5-7	0805	Sun	311/00	USB	(RX39)
16335	E11	5-7	1540	Sun	228/00	USB	(AB/MPJ)
9130	E11	5-7	2005	Sun	363/00	USB	(MPJ)
13537	E11	6-7	1225	Mon	521/00	USB	(AB)
13873	E11	7-7	1045	Tue	576/00	USB	(AB)
10302	E11	7-7	1045	Tue	465/31 Attention 49953 70374 26870 ... 67371 67895 92762 Attention, rpt msg, out	USB	(AB)
15803	E11	7-7	1300	Tue	133/00	USB	(AB/MPJ)
13424	E11	8-7	0545	Wed	348/00	USB	(AB)
15803	E11	8-7	1310	Wed	133/00	USB	(AB)
14865	E11	8-7	1705	Wed	392/00	USB	(AB)
13424	E11	9-7	0645	Thu	517/00	USB	(AB)
15632	E11	9-7	0745	Thu	335/00	USB	(AB)
9150	E11	9-7	0820	Thu	438/00	USB	(AB)
10213	E11	9-7	0930	Thu	270/00	USB	(AB)
10356	E11	9-7	1530	Thu	262/00	USB	(MPJ)
8088	E11	9-7	1730	Thu	416/00	USB	(MPJ)
13424	E11	10-7	0545	Fri	348/00	USB	(AB)
14753	E11	10-7	0710	Fri	633/00	USB	(AB)
8530	E11	10-7	0915	Fri	484/00	USB	(AB)
8530	E11	10-7	2000	Fri	576/00	USB	(MPJ)
9150	E11	13-7	0745	Mon	438/00	USB	(AB)
9610	E11	13-7	0745	Mon	262/00	USB	(AB)
12924	E11	13-7	0830	Mon	649/00	USB	(AB)
14753	E11	14-7	0710	Tue	633/00	USB	(AB)
10302	E11	14-7	1045	Tue	469/00	USB	(AB)
13873	E11	14-7	1045	Tue	576/00	USB	(AB)
15803	E11	14-7	1300	Tue	133/00	USB	(AB)
13424	E11	15-7	0545	Wed	348/00	USB	(AB)
13427	E11	15-7	0900	Wed	534/00	USB	(AB)
10213	E11	15-7	0930	Wed	270/00	USB	(AB)
15803	E11	15-7	1300	Wed	133/00	USB	(AB)
15795	E11	15-7	1625	Wed	978/00	USB	(AB)
14865	E11	15-7	1705	Wed	392/00	USB	(MPJ)
8565	E11	16-7	0315	Thu	253/00	USB	(AB)
13424	E11	17-7	0545	Fri	348/00	USB	(AB)
12924	E11	17-7	0830	Fri	649/00	USB	(AB)
8530	E11	17-7	2000	Fri	576/00	USB	(MPJ)
13537	E11	20-7	1225	Mon	521/00	USB	(AB/MPJ)
16335	E11	20-7	1540	Mon	228/00	USB	(MPJ)
13427	E11	22-7	0900	Wed	534/00	USB	(AB)
15803	E11	22-7	1300	Wed	133/00	USB	(AB)
15795	E11	22-7	1625	Wed	978/00	USB	(AB/MPJ)
14865	E11	22-7	1705	Wed	392/00	USB	(AB/MPJ)
13424	E11	23-7	0645	Thu	517/00	USB	(AB)
15905	E11	23-7	0710	Thu	491/00	USB	(AB)
15632	E11	23-7	0745	Thu	335/00	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
9150	E11	23-7	0815	Thu	438/00	USB	(AB)
10213	E11	23-7	0930	Thu	270/00	USB	(AB)
8088	E11	23-7	1730	Thu	416/00	USB	(AB)
13424	E11	24-7	0545	Fri	348/00	USB	(AB)
13908	E11	24-7	0600	Fri	181/00	USB	(AB)
12924	E11	24-7	0830	Fri	649/00	USB	(AB)
16335	E11	26-7	1540	Sun	228/00	USB	(AB)
12924	E11	27-7	0830	Mon	649/00	USB	(AB)
16388	E11	27-7	1110	Mon	952/35 Attention 74359 19240 81369 ... 84879 87530 63247 Attention, rpt msg, out	USB	(AB)
16335	E11	27-7	1540	Mon	228/00	USB	(MPJ)
13424	E11	28-7	0645	Tue	517/00	USB	(AB)
14753	E11	28-7	0710	Tue	633/00	USB	(AB)
15632	E11	28-7	0745	Tue	335/00	USB	(AB)
13873	E11	28-7	1045	Tue	576/00	USB	(AB)
10302	E11	28-7	1045	Tue	469/00	USB	(AB)
13424	E11	29-7	0545	Wed	343/31 Attention 41988 45614 77904 ... 06944 25088 00923 Attention, rpt msg, out	USB	(AB)
14975	E11	29-7	0805	Wed	311/00	USB	(AB)
10213	E11	29-7	0930	Wed	270/00	USB	(AB)
15795	E11	29-7	1625	Wed	978/00	USB	(AB/MPJ)
14865	E11	29-7	1705	Wed	392/00	USB	(GHn/MPJ)
13424	E11	30-7	0645	Thu	517/00	USB	(AB)
15632	E11	30-7	0745	Thu	335/00	USB	(AB)
10356	E11	30-7	1530	Thu	262/00	USB	(MPJ)
8088	E11	30-7	1730	Thu	416/00	USB	(AB/MPJ)
13424	E11	31-7	0545	Fri	343/31 Attention 41988 45614 77904 ... 06944 25088 00923 Attention, rpt msg, out	USB	(AB)
14753	E11	31-7	0710	Fri	633/00	USB	(AB)
8530	E11	31-7	2000	Fri	576/00	USB	(AB)
10213	E11a	1-7	0930	Wed	277/34 Attention 39861 15218 51833 ... 26704 87244 11312 Attention, rpt msg, out	USB	(AB)
14769	E11a	4-7	0530	Sat	980/10 Attention 43285 19247 47231 86828 76545 70785 77514 54494 43176 51408 Attention, rpt msg, out	USB	(AB)
13722	E11a	4-7	1400	Sat	981/10 Attention 53166 57865 55277 54796 27033 93793 44073 13954 17372 93367 Attention. rpt msg, out	USB	(MPJ)
13722	E11a	4-7	1400	Sat	981/10 Attention 53166 57865 55277 54796 27033 93793 44073 13954 17372 93367 Out	USB	(RX39)
14518	E11a	4-7	1810	Sat	982/10 Attention 02251 93109 95948 20662 22296 75407 74647 43277 28138 58005 Attention. rpt msg, out	USB	(MPJ)
12924	E11a	6-7	0830	Mon	647/35 Attention 49458 87851 41144 ... 78017 92277 23041 Attention, rpt msg, out	USB	(AB)
16388	E11a	6-7	1110	Mon	952/31 Attention 89200 20524 82703 ... 47365 09239 52988 Attention,rpt msg, out	USB	(AB)
10487	E11a	6-7	1710	Mon	953/20 Attention 88927 45520 62553 ... 70392 34586 20234 Attention, rpt msg, out	USB	(AB)
14769	E11a	7-7	0530	Tue	982/10 Attention 54445 27096 80599 76344 77037 05439 60293 62490 20489 90015 Attention, rpt msg, out	USB	(AB)
13722	E11a	7-7	1400	Tue	983/10 28240 95279 717_5 86123 59072 8_003 35527 273__44__ unreadable	USB	(AB)
14518	E11a	7-7	1810	Tue	984/10 Attention 63775 37769 62373 45805 70729 70928 89686 11370 56658 27569 Attention, rpt msg, out	USB	(AB/MPJ)
8565	E11a	8-7	0315	Wed	253/33 Attention 98302 68712 65531 ... 41740 44669 85164 Attention, rpt msg, out	USB	(AB)
8565	E11a	9-7	0315	Thu	253/33 Attention 98302 68712 65531 ... 41740 44669 85164 Attention, rpt msg, out	USB	(AB)
12924	E11a	10-7	0830	Fri	647/35 Attention 49458 87851 41144 ... 78017 92277 23041 Attention, rpt msg, out	USB	(AB)
16388	E11a	10-7	1110	Fri	952/31 Attention (unreadable)	USB	(AB)
16335	E11a	12-7	1540	Sun	226/34 Attention 29439 05278 27331 21211 00401 ... (faded)	USB	(MPJ)
15795	E11a	12-7	1625	Sun	974/?? Attention 41975 31236 72185 10653 47962 ... (faded)	USB	(MPJ)
16388	E11a	13-7	1110	Mon	952/31 unreadable	USB	(AB)
15632	E11a	14-7	0745	Tue	333/33 Attention 31462 75971 60391 ... 65885 93824 23291 Attention, rpt msg, out	USB	(AB)
13722	E11a	14-7	1400	Tue	981/10 Attention 53166 57865 55277 54796 27033 93793 44073 13954 17372 93367 Attention, rpt msg, out	USB	(AB/MPJ)
14518	E11a	14-7	1810	Tue	982/10 Attention 88252 59574 48146 07395 09398 88214 95613 20413 40208 56134 Attention, rpt msg, out	USB	(MPJ)
14975	E11a	15-7	0805	Wed	310/33 Attention 54975 61122 38109 ... 09348 06248 06999 Attention, rpt msg, out	USB	(AB)
13424	E11a	16-7	0645	Thu	514/35 Attention 15377 37417 43097 ... 43800 67018 73221 Attention, rpt msg, out	USB	(AB)
15632	E11a	16-7	0745	Thu	333/33 Attention 31462 75971 60391 ... 65885 93824 23291 Attention, rpt msg, out	USB	(AB)
8088	E11a	16-7	1738	Thu	Msg i.p.	USB	(AB)
10487	E11a	17-7	1710	Fri	953/22 Attention 01487 79298 68115 69182 76356 ... 03616 69430 57403 88626 94860	USB	(MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrlb
13722	E11a	18-7	1400	Sat	981/10 Attention 48221 03271 05452 72718 38112 07770 21265 75940 25597 58981 Attention, rpt msg, out	USB	(AB)
14518	E11a	18-7	1810	Sat	983/10 Attention 70592 47735 59397 04327 90479 64138 22284 37392 35720 57344 Attention, rpt msg, out	USB	(AB/GHn/MPJ)
14975	E11a	19-7	0805	Sun	310/33 Attention 54975 61122 38109 ... 09348 06248 06999 Attention, rpt msg, out	USB	(AB)
16388	E11a	20-7	1110	Mon	952/35 Attention 82164 08324 98836 72398 86132 ... 25476 86374 51953 32596 64205	USB	(AB/MPJ)
10487	E11a	20-7	1710	Mon	953/30 Attention 54100 86220 47920 57146 30110 ... 23972 97187 29682 42186 25719	USB	(AB/MPJ)
14769	E11a	21-7	0530	Tue	987/10 Attention 90831 51250 47200 42631 94241 37546 20798 79120 05006 27812 Attention, rpt msg, out	USB	(AB)
14753	E11a	21-7	0710	Tue	637/37 Attention 97512 85845 49986 ... 66497 68513 63149 Attention, rpt msg, out	USB	(AB)
13722	E11a	21-7	1400	Tue	980/10 Attention 27278 72867 93305 20594 74800 54324 33287 35336 20062 57143 Attention, rpt msg, out	USB	(GHn)
14518	E11a	21-7	1810	Tue	981/10 Attention 44736 09882 36102 55439 22195 40192 51980 22469 35639 37483 Attention, rpt msg, out	USB	(AB/MPJ)
14753	E11a	24-7	0710	Fri	637/37 Attention 97512 85845 49986 ... 66497 68513 63149 Attention, rpt msg, out	USB	(AB)
16388	E11a	24-7	1110	Fri	952/31 Attention ...	USB	(AB)
10487	E11a	24-7	1710	Fri	953/21 Attention 17373 77057 66585 ... 78519 14443 18765 Attention, rpt msg, out	USB	(AB/MPJ)
8530	E11a	24-7	2000	Fri	575/35 02249 42419 16201 16646 66504 ... 26444 95872 05803 36233 53218	USB	(AB)
17120	E11a	26-7	0734	Sun	i.p.	USB	(AB)
9150	E11a	27-7	0815	Mon	432/35 Attention 53258 36690 84154 ... 29802 70222 63563 Attention, rpt msg, out	USB	(AB)
13427	E11a	27-7	0900	Mon	532/33 Attention 14522 24863 62437 ... 73076 30011 13514 Attention, rpt msg, out	USB	(AB)
10487	E11a	27-7	1710	Mon	953/21 Attention 73465 31155 65018 ... 43634 77796 98233 Attention, rpt msg, out	USB	(AB/MPJ)
13722	E11a	28-7	1400	Tue	983/10 Attention 44487 68250 90413 33738 40405 35636 90270 54001 16238 08513 Attention, rpt msg, out	USB	(AB)
14518	E11a	28-7	1810	Tue	985/10 Attention 54958 07389 24622 82672 45437 12537 97180 97004 30208 99588 Attention, rpt msg, out	USB	(GHn)
13427	E11a	29-7	0900	Wed	532/33 Attention 14522 24863 62437 ... 73076 30011 13514 Attention, rpt msg, out	USB	(AB)
15803	E11a	29-7	1300	Wed	132/31 Attention 27003 27161 33463 ... 14183 16514 92657 Attention, rpt msg, out //7837 kHz	USB	(AB)
7837	E11a	29-7	1300	Wed	132/31 Attention 27003 27161 33463 ... 14183 16514 92657 Attention, rpt msg, out //15803 kHz. (interrupted by POL FSK at 1305 UTC)	USB	(AB)
13908	E11a	31-7	0600	Fri	181/38 Attention 69896 23522 97445 ... 13936 51811 38821 Attention, rpt msg, out	USB	(AB)
10487	E11a	31-7	1710	Fri	959/26 Attention 54080 77114 81169 ... 10087 43276 56240 Attention, rpt msg, out	USB	(AB)
16780	E17z	2-7	0800	Thu	674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 00000	USB	(AB)
12850	E17z	2-7	0810	Thu	674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 00000	USB	(AB)
16780	E17z	9-7	0800	Thu	674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 00000	USB	(AB)
12850	E17z	9-7	0810	Thu	674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 00000	USB	(AB)
12850	E17z	9-7	0810	Thu	674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 215 8 00000	USB	(AB)
16780	E17z	16-7	0800	Thu	674 298 5 82045 36717 24042 75956 31670 298 5 00000	USB	(AB)
12850	E17z	16-7	0810	Thu	674 298 5 82045 36717 24042 75956 31670 298 5 00000	USB	(AB)
16780	E17z	23-7	0800	Thu	674 298 5 82045 36717 24042 75956 31670 298 5 00000	USB	(AB)
12850	E17z	23-7	0810	Thu	674 298 5 82045 36717 24042 75956 31670 298 5 00000	USB	(AB)
16780	E17z	30-7	0800	Thu	674 674 674 00000	AM	(AB)
12850	E17z	30-7	0810	Thu	674 674 674 00000	AM	(AB)
18101.7	EGY	15-7	1122	Wed	MFA Cairo clg XBVF embassy Madrid	SITOR-A 100/170	(MCO)
16066	EGY	15-7	2115	Wed	MFA Cairo with a message for the Egyptian embassy Washington, DC	SITOR-A	(AAI)
5246	G06	6-7	1659	Mon	248 248 248 00000 (1 minute early)	USB	(AB)
4892	G06	6-7	1758	Mon	248 248 248 00000 (2 minutes early)	USB	(AB)
7411	G06	8-7	1300	Wed	248 248 248 00000	USB	(AB)
6887	G06	9-7	1830	Thu	842 317 20 37839 35787 98273 ... 60491 75924 04594 317 20 00000	USB	(AB/MPJ)
5943	G06	10-7	1930	Fri	218 394 20 06132 75514 79681 ... 49870 63962 04884 394 20 00000	USB	(MPJ)
5246	G06	13-7	1700	Mon	248 248 248 00000	USB	(AB)
6933	G06	15-7	1200	Wed	248 248 248 00000 (30 secs early)	USB	(AB)
7411	G06	15-7	1258	Wed	248 248 248 00000 (1min40sec early)	USB	(AB)
5943	G06	24-7	1930	Fri	218 394 20 06132 75514 79681 ... 49870 63962 04884 394 20 00000	USB	(AB)
11435	HM01	1-7	1558	Wed	44337 04437 45851 82608 28164 82653	AM/RDFT	(DSch)
11462	HM01	2-7	0500	Thu	44337 04437 45851 82608 28164 82653	AM/RDFT	(AB)
14375	HM01	2-7	0559	Thu	44337 04437 45851 82608 28164 82653	AM/RDFT	(AB)
11435	HM01	2-7	1559	Thu	44338 37251 45852 82609 28165 82654	AM/RDFT	(DSch)
11435	HM01	3-7	1605	Fri	44339 37251 45853 87251 28165 82655	AM/RDFT	(DSch)
14375	HM01	4-7	0559	Sat	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
13435	HM01	4-7	0654	Sat	Early start. 44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
11635	HM01	4-7	0756	Sat	Early start. 44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
11462	HM01	4-7	0859	Sat	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
11435	HM01	4-7	1604	Sat	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
11530	HM01	4-7	1657	Sat	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
9065	HM01	5-7	0757	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(RX39)
9240	HM01	5-7	0857	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(RX39)
9155	HM01	5-7	0957	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(RX39)
11435	HM01	5-7	1618	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
11530	HM01	5-7	1727	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
10715	HM01	7-7	2230	Wed	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
10715	HM01	7-7	2230	Tue	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
9240	HM01	8-7	0859	Wed	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
14375	HM01	9-7	0557	Thu	44339 37251 45853 87251 28166 82655. Early start	AM/RDFT	(AB)
13435	HM01	9-7	0659	Thu	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
11635	HM01	9-7	0759	Thu	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
5855	HM01	10-7	0500	Fri	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
10345	HM01	10-7	0559	Fri	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
10715	HM01	10-7	2230	Fri	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
11435	HM01	11-7	1553	Sat	44339 37251 45853 stopped. Then resumes at 1557 UTC with: 87251 28166 82655	AM/RDFT	(DSch)
11435	HM01	12-7	1552	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
11530	HM01	13-7	1700	Mon	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
10715	HM01	13-7	2230	Mon	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
11435	HM01	14-7	1603	Tue	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
17480	HM01	14-7	2200	Tue	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
11435	HM01	15-7	1600	Wed	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
13435	HM01	16-7	0659	Thu	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
11435	HM01	16-7	1600	Thu	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
11530	HM01	17-7	1657	Fri	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
13435	HM01	18-7	0659	Sat	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
11435	HM01	18-7	1550	Sat	44339 37251 45853 87251 28166 82655	AM/RDFT	(AB)
17480	HM01	18-7	2200	Sat	DGI	AM/RDFT	(BM)
11435	HM01	19-7	1556	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
10715	HM01	19-7	2230	Sun	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
10345	HM01	20-7	0559	Mon	44339 37251 45853 87251 28166 82655	AM	(AB)
9330	HM01	20-7	0659	Mon	44339 37251 45853 87251 28166 82655	AM	(AB)
11435	HM01	20-7	1557	Mon	44339 37251 45855 87251 28166 82655	AM/RDFT	(DSch)
11435	HM01	21-7	1557	Tue	44339 37251 45853 87251 28166 82655	AM/RDFT	(DSch)
17480	HM01	21-7	2200	Tue	44339 37251 45853 87251 28166 82655	AM/RDFT	(Dan)
11435	HM01	22-7	1614	Wed	74611 37252 45854 87251 28167 82656	AM/RDFT	(DSch)
11530	HM01	23-7	1657	Thu	74611 37253 45855 87252 28168 82657	AM/RDFT	(DSch)
17480	HM01	23-7	2200	Thu	????? 37253 45855 87251 28168 82657	AM/RDFT	(Dan)
5855	HM01	24-7	0529	Fri	74611 37253 45855 87252 28168 82657	AM/RDFT	(AB)
5855	HM01	24-7	0559	Fri	74611 37253 45855 87252 28168 82657. Should be on 10345 kHz. Switches at 0618 UTC	AM/RDFT	(AB)
10345	HM01	24-7	0618	Fri	74611 37253 45855 87252 28168 82657	AM/RDFT	(AB)
11435	HM01	24-7	1608	Fri	74612 37254 45856 87253 2169 35241	AM/RDFT	(DSch)
11435	HM01	25-7	1555	Sat	74612 37254 45856 87253 28169 35241	AM/RDFT	(DSch)
17480	HM01	25-7	2230	Sat	74613 37255 45857 87254 37131 35241	AM/RDFT	(Dan)
11435	HM01	26-7	1557	Sun	74614 37256 45858 87255 37131 35242	AM/RDFT	(DSch)
11435	HM01	28-7	2009	Tue	74616 37258 83841 87257 37133 35244	AM/RDFT	(DSch)
11635	HM01	29-7	1804	Wed	74617 38231 83841 83651 37134 35245	AM/RDFT	(DSch)
11635	HM01	29-7	2141	Wed	74617 38231 83841 83651 37134 35245	AM/RDFT	(DSch)
11435	HM01	30-7	1628	Thu	67301 38231 83842 83651 37135 35246	AM/RDFT	(DSch)
16180	HM01	30-7	2130	Thu	67301 38231 83842 83651 37135 35246	AM/RDFT	(Dan)
11435	HM01	31-7	1558	Fri	67301 38232 83843 83652 37136 35247	AM/RDFT	(DSch)
10715	HM01	31-7	2230	Fri	67301 38232 83843 83652 37136 35247	AM/RDFT	(Dan)
4905	M01	7-7	2000	Tue	025 216 30 = = 89386 46902 33390 47871 20314 ... __909 64759 97349 83266 48601 = CW = 216 216 40 30 (as sent; no 000). Many errors and pauses. 000 sent 3 minutes after end of sked. //4906 kHz		(AB)
5280	M01	9-7	1800	Thu	025 869 30 = = 95848 13327 23019 81211 69231 (?) ... 22447 42339 73947 91041 28587 = = 869 30 000	CW	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
4905	M01	9-7	2000	Thu	025 798 30 = = 39787 36115 23492 73521 20203 ... 82543 76300 26852 93854 35038 = = 798 30 000	CW	(AB)
4905	M01	14-7	2000	Tue	025 381 30 = = 21937 40139 34150 69741 35364 ... 95588 95811 00329 32472 00613 = = 381 30 000	CW	(MPJ)
4904	M01	16-7	2000	Thu	025 543 30 = = 07391 26407 65901 46349 62233 ... 81309 11638 75601 66939 82675 = = 543 30 000	CW	(MPJ)
4905	M01	21-7	2000	Tue	025 197 30 = = 84655 62958 40861 35621 73833 ... 21175 75805 21002 71818 64829 = = 197 30 000. //4906,4907 kHz	CW	(MPJ)
4905	M01	28-7	2000	Tue	025 0925 025 0925 025 122 122 30 30 = = 89481 68237 35616 12649 53067 ... 02272 83299 90180 50373 55134 = = 122 122 30 30 000	CW	(MPJ)
5465	M01b	10-7	1902	Fri	336 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000	MCW	(MPJ)
5805	M01b	16-7	1942	Thu	936 527 30 = = 82229 07041 09746 87574 84579 43774 39461 40926 52814 98898 = = 527 30 000 //5065 kHz	MCW	(MPJ)
5065	M01b	16-7	1942	Thu	936 527 30 = = 82229 07041 09746 87574 84579 43774 39461 40926 52814 98898 = = 527 30 000 //5805 kHz	MCW	(MPJ)
5465	M01b	17-7	1902	Fri	i.p. 43774 39461 40926 52814 98898 = = 527 527 30 30 000	MCW	(MPJ)
5735	M01b	20-7	1810	Mon	364 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5125 kHz	MCW	(DSch)
5125	M01b	20-7	1810	Mon	364 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5735 kHz	MCW	(DSch)
5150	M01b	20-7	1926	Mon	i.p.	CW	(AB)
5465	M01b	24-7	1902	Fri	330 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5075 kHz	MCW	(AB)
5075	M01b	24-7	1902	Fri	330 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5465 kHz	MCW	(AB)
5125	M01b	27-7	1810	Mon	364 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5735 kHz	MCW	(MPJ)
5735	M01b	27-7	1810	Mon	364 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5125 kHz	MCW	(MPJ)
5150	M01b	27-7	1915	Mon	858 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5475 kHz	MCW	(MPJ)
5475	M01b	27-7	1915	Mon	858 527 30 = = 82229 07041 09746 87574 84579 ... 43774 39461 40926 52814 98898 = = 527 30 000 //5150 kHz	MCW	(MPJ)
5805	M01b	30-7	1944	Thu	i.p. 93551 29551 58709 66605 36963 ... 43774 39461 40926 52814 98898 = = 527 527 30 30 000	MCW	(MPJ)
7727	M03	1-7	1320	Wed	543/00 = = 000	CW	(AB)
7837	M03	2-7	1320	Thu	437/32 = = 15670 76919 ... 66862 38300 44859 = = 0 0 0	CW	(AB)
15632	M03	3-7	1420	Fri	877/38 = = 89772 88129 63913 ... 21816 81202 72906 = = 0 0 0	CW	(AB)
7837	M03	5-7	1320	Sun	437/32 = = 15670 76919 ... 66862 38300 44859 = = 0 0 0	CW	(AB)
15632	M03	5-7	1420	Sun	877/38 = = 89772 88129 63913 ... 21816 81202 72906 = = 0 0 0	CW	(AB/MPJ)
7727	M03	6-7	1320	Mon	543/00 = = 000	CW	(AB)
7837	M03	9-7	1320	Thu	VVV at 1312z. 437/00 = = 000	CW	(AB/MPJ)
15632	M03	10-7	1420	Fri	879/00 = = 000	CW	(AB)
7837	M03	12-7	1320	Sun	437/00 = = 0 0 0	CW	(AB)
15632	M03	12-7	1420	Sun	879/00 = = 0 0 0	CW	(AB/MPJ)
7727	M03	13-7	1320	Mon	541/34 = = 33310 20396 81874 ... 12848 08028 57578 = = 0 0 0	CW	(AB)
7727	M03	15-7	1320	Wed	541/34 = = 33310 20396 81874 ... 12848 08028 57578 = = 0 0 0 VVV at 1315z.	CW	(AB)
15632	M03	17-7	1420	Fri	879/00 = = 000	CW	(AB/MPJ)
15632	M03	19-7	1320	Sun	879/00 = = 000 (VVV at 1414 UTC)	CW	(AB)
7727	M03	20-7	1320	Mon	543/00	CW	(AB/MPJ)
7727	M03	22-7	1320	Wed	543/00 = = 000	CW	(AB)
15632	M03	24-7	1420	Fri	879/00 = = 000	CW	(AB)
7837	M03	26-7	1320	Sun	437/00 = = 000	CW	(AB)
7837	M03	30-7	1320	Thu	437/00 = = 000	CW	(AB)
7727	M03a	29-7	1320	Wed	543/00 = = 000	CW	(AB)
8096	M08a	1-7	1409	Wed	DGI	CW	(DSch)
7554	M08a	1-7	1958	Wed	DGI: WTWNA DDIWN URNGA	CW	(DSch)
8009	M08a	1-7	2309	Wed	DGI. Signal messed up	CW	(DSch)
8096	M08a	2-7	1410	Thu	DGI	CW	(DSch)
7554	M08a	2-7	2005	Thu	DGI	CW	(DSch)
8096	M08a	3-7	1416	Fri	DGI	CW	(DSch)
8009	M08a	4-7	2300	Sat	DGI	CW	(BW3/DSch)
7554	M08a	12-7	1956	Sun	AGNRN NNWTA DWTNN	CW	(DSch)
8135	M08a	12-7	2259	Sun	AGNRN NNWTA DWTNN	CW	(DSch)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
8096	M08a	14-7	1358	Tue	NDGAA DRNUN WGWRA	CW	(DSch)
7554	M08a	14-7	2003	Tue	i.p.	CW	(DSch)
8096	M08a	15-7	1425	Wed	i.p.	CW	(DSch)
8096	M08a	16-7	1407	Thu	i.p.	CW	(DSch)
8135	M08a	17-7	2259	Fri	AUNDN NWTRN DGD TN	CW	(DSch)
8009	M08a	18-7	2300	Sat	DGI	CW	(BM)
8096	M08a	19-7	1432	Sun	i.p.	CW	(DSch)
7554	M08a	19-7	2015	Sun	Very bad keying. Unreadable	CW	(DSch)
8096	M08a	20-7	1419	Mon	i.p.	CW	(DSch)
7554	M08a	21-7	2000	Tue	i.p.	CW	(DSch)
8096	M08a	22-7	1402	Wed	i.p.	CW	(DSch)
8096	M08a	23-7	1402	Thu	i.p.	CW	(DSch)
7554	M08a	23-7	1959	Thu	i.p.	CW	(DSch)
8096	M08a	24-7	1401	Fri	i.p.	CW	(DSch)
8096	M08a	25-7	1411	Sat	AGNRN NNWTA DWTNN	CW	(DSch)
7554	M08a	25-7	2005	Sat	AGNRN RNWTA DWTNN	CW	(DSch)
8096	M08a	28-7	1358	Tue	WNARA RWUTN IGGDA into text	CW	(DSch)
7554	M08a	28-7	2009	Tue	i.p.	CW	(DSch)
7554	M08a	31-7	2004	Fri	i.p.	CW	(DSch)
9176	M12	1-7	1800	Wed	257 1 689 154 689 154 etc	CW	(AB/HFD)
7931	M12	1-7	1820	Wed	257 1 689 154 689 154 etc	CW	(AB/HFD)
6904	M12	1-7	1840	Wed	257 1 689 154 689 154 etc	CW	(AB/HFD)
8047	M12	1-7	1900	Wed	463 1	CW	(HFD)
6802	M12	1-7	1920	Wed	463 1	CW	(HFD)
11435	M12	1-7	1930	Wed	938 1	CW	(HFD)
5788	M12	1-7	1940	Wed	463 1	CW	(HFD)
10598	M12	1-7	1950	Wed	938 1	CW	(HFD)
9327	M12	1-7	2010	Wed	938 1	CW	(HFD)
9379	M12	1-7	2100	Wed	398 0	CW	(HFD)
14869	M12	1-7	2110	Wed	851 1	CW	(HFD)
7979	M12	1-7	2120	Wed	398 0	CW	(HFD)
13569	M12	1-7	2130	Wed	851 1	CW	(HFD)
12169	M12	1-7	2150	Wed	851 1	CW	(HFD)
7984	M12	2-7	0630	Thu	911 0	CW	(HFD)
9184	M12	2-7	0650	Thu	911 0	CW	(HFD)
13386	M12	2-7	1700	Thu	725 1 1476 117 02330 60719 12864 ... 93510 98744 61114 000 000	CW	(HFD)
12189	M12	2-7	1720	Thu	725 1 1476 117 02330 60719 12864 ... 93510 98744 61114 000 000	CW	(HFD)
11491	M12	2-7	1740	Thu	725 1 1476 117 02330 60719 12864 ... 93510 98744 61114 000 000	CW	(AB/HFD)
10343	M12	2-7	1800	Thu	124 1	CW	(HFD)
9264	M12	2-7	1820	Thu	124 1	CW	(HFD)
8116	M12	2-7	1840	Thu	124 1	CW	(HFD)
13926	M12	4-7	1310	Sat	919 919 919 000	CW	(MPJ/HFD)
12126	M12	4-7	1330	Sat	919 919 919 000	CW	(MPJ/HFD)
10343	M12	7-7	1930	Tue	124 1 3770 55 52690 42291 82680 52520 96266 ... 59508 48456 58513 76084 04753 000 000	CW	(AB/HFD)
9264	M12	7-7	1950	Tue	124 1 3770 55 52690 42291 82680 52520 96266 ... 59508 48456 58513 76084 04753 000 000	CW	(AB/HFD)
7931	M12	8-7	1820	Wed	257 1 8800 146 75399 74495 55960 44569 70709 ... 57915 33607 30294 60945 85192 000 000	CW	(MPJ)
6904	M12	8-7	1840	Wed	257 1 8800 146 75399 74495 55960 44569 70709 ... 57915 33607 30294 60945 85192 000 000	CW	(MPJ)
8047	M12	8-7	1900	Wed	463 1 2600 134 25723 04374 90182 67285 97916 ... 14426 77940 46632 36307 50236 000 000	CW	(MPJ)
6802	M12	8-7	1920	Wed	463 1 2600 134 25723 04374 90182 67285 97916 ... 14426 77940 46632 36307 50236 000 000	CW	(MPJ)
11435	M12	8-7	1930	Wed	938 1 3131 53 44931 71171 10548 32464 75402 ... 26238 46681 10901 29886 96971 000 000	CW	(MPJ)
5788	M12	8-7	1940	Wed	463 1 2600 134 25723 04374 90182 67285 97916 ... 14426 77940 46632 36307 50236 000 000	CW	(MPJ)
10598	M12	8-7	1950	Wed	938 1 3131 53 44931 71171 10548 32464 75402 ... 26238 46681 10901 29886 96971 000 000	CW	(MPJ)
13926	M12	9-7	1310	Thu	919 919 919 000	CW	(MPJ)
12126	M12	9-7	1330	Thu	919 919 919 000	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
13386	M12	9-7	1500	Thu	725 1 6988 142 69287 68656 02874 04289 29496 ... 90101 37152 25247 90108 37592 000 000	CW	(MPJ)
12189	M12	9-7	1520	Thu	725 1 6988 142 69287 68656 02874 04289 29496 ... 90101 37152 25247 90108 37592 000 000	CW	(MPJ)
11491	M12	9-7	1540	Thu	725 1 6988 142 69287 68656 02874 04289 29496 ... 90101 37152 25247 90108 37592 000 000	CW	(MPJ)
13386	M12	9-7	1700	Thu	725 1 2731 104 69156 67789 03903 20426 68122 ... 54527 06445 43781 63558 99650 000 000	CW	(MPJ)
12189	M12	9-7	1720	Thu	725 1 2731 104 69156 67789 03903 20426 68122 ... 54527 06445 43781 63558 99650 000 000	CW	(MPJ)
11491	M12	9-7	1740	Thu	725 1 2731 104 69156 67789 03903 20426 68122 ... 54527 06445 43781 63558 99650 000 000	CW	(MPJ)
10343	M12	9-7	1800	Thu	124 1 1685 150 56886 94200 77905 84095 14151 ... 57838 87910 97002 20917 83513 000 000	CW	(MPJ)
9264	M12	9-7	1820	Thu	124 1 1685 150 56886 94200 77905 84095 14151 ... 57838 87910 97002 20917 83513 000 000	CW	(MPJ)
8116	M12	9-7	1840	Thu	124 1 1685 150 56886 94200 77905 84095 14151 ... 57838 87910 97002 20917 83513 000 000	CW	(MPJ)
10343	M12	9-7	1900	Thu	124 1 3785 112 75295 98034 22942 65535 26750 ... 11386 40724 52698 04894 06767 000 000	CW	(MPJ)
9264	M12	9-7	1920	Thu	124 1 3785 112 75295 98034 22942 65535 26750 ... 11386 40724 52698 04894 06767 000 000	CW	(MPJ)
8116	M12	9-7	1940	Thu	124 1 3785 112 75295 98034 22942 65535 26750 ... 11386 40724 52698 04894 06767 000 000	CW	(MPJ)
10343	M12	14-7	1930	Tue	124 1 6833 70 51830 63591 50102 15049 01559 ... 00149 22589 22596 26832 31764 000 000	CW	(MPJ)
9264	M12	14-7	1950	Tue	124 1 6833 70 51830 63591 50102 15049 01559 ... 00149 22589 22596 26832 31764 000 000	CW	(MPJ)
9176	M12	15-7	1800	Wed	257 1 8319 142 38879 15599 48240 ... 64136 08323 61051 33302 07476 000 000	CW	(AB/MPJ)
7931	M12	15-7	1820	Wed	257 1 8319 142 38879 15599 48240 ... 64136 08323 61051 33302 07476 000 000	CW	(AB/MPJ)
6904	M12	15-7	1840	Wed	257 1 8319 142 38879 15599 48240 ... 64136 08323 61051 33302 07476 000 000	CW	(MPJ)
8047	M12	15-7	1900	Wed	463 1 4017 152 51447 58407 61492 82091 09490 ... 51610 02740 48281 31982 42094 000 000	CW	(MPJ)
6802	M12	15-7	1920	Wed	463 1 4017 152 51447 58407 61492 82091 09490 ... 51610 02740 48281 31982 42094 000 000	CW	(MPJ)
11435	M12	15-7	1930	Wed	938 1 2190 65 35727 94145 88730 86362 77393 ... 78454 90040 45734 10926 39752 000 000	CW	(MPJ)
5788	M12	15-7	1940	Wed	463 1 4017 152 51447 58407 61492 82091 09490 ... 51610 02740 48281 31982 42094 000 000	CW	(MPJ)
10598	M12	15-7	1950	Wed	938 1 2190 65 35727 94145 88730 86362 77393 ... 78454 90040 45734 10926 39752 000 000	CW	(MPJ)
10926	M12	16-7	1350	Thu	919 1 5167 209 72446 13525 51827 ... 99869 85233 99299 000 000	CW	(AB)
11491	M12	16-7	1740	Thu	725 1 4228 103 09976 19368 15629 10908 27476 ... 14531 48092 40412 917_1 74595 000 000	CW	(MPJ)
10343	M12	16-7	1800	Thu	124 1 3367 147 35278 51099 77149 01326 89587 ... 02040 57565 97591 82142 00212 000 000	CW	(MPJ)
9264	M12	16-7	1820	Thu	124 1 3367 147 35278 51099 77149 01326 89587 ... 02040 57565 97591 82142 00212 000 000	CW	(MPJ)
8116	M12	16-7	1840	Thu	124 1 3367 147 35278 51099 77149 01326 89587 ... 02040 57565 97591 82142 00212 000 000	CW	(MPJ)
10343	M12	16-7	1900	Thu	124 1 9384 110 42998 54338 56188 90678 34635 ... 02886 39673 94376 41925 99528 000 000	CW	(MPJ)
9264	M12	16-7	1920	Thu	124 1 9384 110 42998 54338 56188 90678 34635 ... 02886 39673 94376 41925 99528 000 000	CW	(MPJ)
13926	M12	18-7	1310	Sat	919 1 5167 209 72446 13525 51827 ... 99869 85233 99299 000 000	CW	(AB)
12126	M12	18-7	1330	Sat	919 1 5167 209 72446 13525 51827 ... 99869 85233 99299 000 000	CW	(AB)
10926	M12	18-7	1350	Sat	919 1 5167 209 72446 13525 51827 ... 99869 85233 99299 000 000	CW	(AB)
12205	M12	20-7	1100	Mon	973 1 1872 145 43626 13302 17224 71335 78203 ... 42095 44330 70771 07833 27629 000 000	CW	(MPJ)
13559	M12	20-7	1120	Mon	973 1 1872 145 43626 13302 17224 71335 78203 ... 42095 44330 70771 07833 27629 000 000	CW	(MPJ)
14728	M12	20-7	1140	Mon	973 1 1872 145 43626 13302 17224 71335 78203 ... 42095 44330 70771 07833 27629 000 000	CW	(MPJ)
11435	M12	20-7	1700	Mon	938 1 4543 114 19361 71899 44707 60502 97798 ... 68460 02178 93338 04912 59962 000 000	CW	(MPJ)
10598	M12	20-7	1720	Mon	938 1 4543 114 19361 71899 44707 60502 97798 ... 68460 02178 93338 04912 59962 000 000	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9327	M12	20-7	1740	Mon	938 1 4543 114 19361 71899 44707 60502 97798 ... 68460 02178 93338 04912 59962 000 000	CW	(MPJ)
8047	M12	20-7	1800	Mon	463 1 8214 141 06784 92153 63322 91495 40818 ... 12153 65586 90728 91904 81357 000 000	CW	(MPJ)
6802	M12	20-7	1820	Mon	463 1 8214 141 06784 92153 63322 91495 40818 ... 12153 65586 90728 91904 81357 000 000	CW	(MPJ)
5788	M12	20-7	1840	Mon	463 1 8214 141 06784 92153 63322 91495 40818 ... 12153 65586 90728 91904 81357 000 000	CW	(MPJ)
9176	M12	20-7	1900	Mon	257 1 7839 107 73225 12063 91030 75400 87633 ... 21536 86155 77331 12889 57591 000	CW	(MPJ)
7931	M12	20-7	1920	Mon	257 1 7839 107 73225 12063 91030 75400 87633 ... 21536 86155 77331 12889 57591 000	CW	(MPJ)
6904	M12	20-7	1940	Mon	257 1 7839 107 73225 12063 91030 75400 87633 ... 21536 86155 77331 12889 57591 000	CW	(MPJ)
10343	M12	21-7	1930	Tue	124 1 8643 54 08155 15114 70787 19671 76358 ... 72489 93561 45192 89633 30337 000 000	CW	(MPJ)
9264	M12	21-7	1930	Tue	124 1 8643 54 08155 15114 70787 19671 76358 ... 72489 93561 45192 89633 30337 000 000	CW	(MPJ)
9176	M12	22-7	1800	Wed	257 1 5885 142 26334 44691 14793 98328 61490 ... 96836 94009 78170 89985 01585 000 000	CW	(MPJ)
7931	M12	22-7	1820	Wed	257 1 5885 142 26334 44691 14793 98328 61490 ... 96836 94009 78170 89985 01585 000 000	CW	(MPJ)
6904	M12	22-7	1840	Wed	257 1 5885 142 26334 44691 14793 98328 61490 ... 96836 94009 78170 89985 01585 000 000	CW	(MPJ)
8047	M12	22-7	1900	Wed	463 1 1761 145 39639 14697 39791 72530 58577 ... 10976 61178 75379 53744 13099 000 000	CW	(MPJ)
6802	M12	22-7	1920	Wed	463 1 1761 145 39639 14697 39791 72530 58577 ... 10976 61178 75379 53744 13099 000 000	CW	(MPJ)
11435	M12	22-7	1930	Wed	938 1 3693 58 69925 43569 63678 33465 45586 ... 39060 10146 92049 46729 87299 000 000	CW	(MPJ)
5788	M12	22-7	1940	Wed	463 1 1761 145 39639 14697 39791 72530 58577 ... 10976 61178 75379 53744 13099 000 000	CW	(MPJ)
10598	M12	22-7	1950	Wed	938 1 3693 58 69925 43569 63678 33465 45586 ... 39060 10146 92049 46729 87299 000 000	CW	(MPJ)
13386	M12	23-7	1700	Thu	725 1 3129 104 3129 104 31166 37635 87354 ... 88060 20224 86466 000 000	CW	(AB)
12189	M12	23-7	1720	Thu	725 1 3129 104 3129 104 31166 37635 87354 ... 88060 20224 86466 000 000	CW	(AB)
11491	M12	23-7	1740	Thu	725 1 3129 104 3129 104 31166 37635 87354 ... 88060 20224 86466 000 000	CW	(AB)
9217	M12	25-7	0500	Sat	262 0	CW	(HFD)
12205	M12	27-7	1100	Mon	973 1 3581 131 38091 07761 47441 ... 22666 79385 22560 000 000	CW	(AB)
13559	M12	27-7	1120	Mon	973 1 3581 131 38091 07761 47441 ... 22666 79385 22560 000 000	CW	(AB)
14728	M12	27-7	1140	Mon	973 1 3581 131 38091 07761 47441 ... 22666 79385 22560 000 000	CW	(AB)
11435	M12	27-7	1700	Mon	938 1 8529 107 70633 10965 79430 63408 64356 ... 66038 35027 99717 10395 33784 000 000	CW	(MPJ)
10598	M12	27-7	1720	Mon	938 1 8529 107 70633 10965 79430 63408 64356 ... 66038 35027 99717 10395 33784 000 000	CW	(MPJ)
9327	M12	27-7	1740	Mon	938 1 8529 107 70633 10965 79430 63408 64356 ... 66038 35027 99717 10395 33784 000 000	CW	(MPJ)
8047	M12	27-7	1800	Mon	463 1 9309 150 49955 73875 85313 84909 28847 ... 12911 97379 97798 98416 88237 000 000	CW	(MPJ)
6802	M12	27-7	1820	Mon	463 1 9309 150 49955 73875 85313 84909 28847 ... 12911 97379 97798 98416 88237 000 000	CW	(MPJ)
5788	M12	27-7	1840	Mon	463 1 9309 150 49955 73875 85313 84909 28847 ... 12911 97379 97798 98416 88237 000 000	CW	(MPJ)
9176	M12	27-7	1900	Mon	257 1 7257 108 28872 86175 80208 56171 57233 ... 29929 96386 53024 06843 98537 000 000	CW	(MPJ)
7931	M12	27-7	1920	Mon	257 1 7257 108 28872 86175 80208 56171 57233 ... 29929 96386 53024 06843 98537 000 000	CW	(MPJ)
6904	M12	27-7	1940	Mon	257 1 7257 108 28872 86175 80208 56171 57233 ... 29929 96386 53024 06843 98537 000 000	CW	(MPJ)
10343	M12	28-7	1930	Tue	124 1 3311 65 16767 76995 32338 20387 99152 ... 31237 99464 97080 61899 72393 000 000	CW	(MPJ)
9264	M12	28-7	1950	Tue	124 1 3311 65 16767 76995 32338 20387 99152 ... 31237 99464 97080 61899 72393 000 000	CW	(MPJ)
9176	M12	29-7	1800	Wed	257 1 2455 135 36637 12353 19519 16340 46921 ... 97060 32517 96768 32565 95154 000 000	CW	(MPJ)
7931	M12	29-7	1820	Wed	257 1 2455 135 36637 12353 19519 16340 46921 ... 97060 32517 96768 32565 95154 000 000	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
6904	M12	29-7	1840	Wed	257 1 2455 135 36637 12353 19519 16340 46921 ... 97060 32517 96768 32565 95154 000 000	CW	(MPJ)
8047	M12	29-7	1900	Wed	463 1 7414 153 08708 58292 19970 74286 89317 ... 47258 55637 72617 39694 99871 000 000	CW	(MPJ)
6802	M12	29-7	1920	Wed	463 1 7414 153 08708 58292 19970 74286 89317 ... 47258 55637 72617 39694 99871 000 000	CW	(MPJ)
11435	M12	29-7	1930	Wed	938 1 1463 59 83857 99431 93110 94436 46299 ... 55005 45620 33574 03904 80693 000	CW	(MPJ)
5788	M12	29-7	1940	Wed	463 1 7414 153 08708 58292 19970 74286 89317 ... 47258 55637 72617 39694 99871 000 000	CW	(MPJ)
10598	M12	29-7	1950	Wed	938 1 1463 59 83857 99431 93110 94436 46299 ... 55005 45620 33574 03904 80693 000	CW	(MPJ)
12126	M12	30-7	1330	Thu	919 1 9874 147 86361 58869 07212 ... 35911 67109 89718 000 000	CW	(MPJ)
10926	M12	30-7	1350	Thu	919 1 9874 147 86361 58869 07212 ... 35911 67109 89718 000 000	CW	(AB/MPJ)
13386	M12	30-7	1500	Thu	725 1 7697 112 43232 67867 86843 38375 74237 ... 17861 30579 98021 64293 31377 000 000	CW	(MPJ)
12189	M12	30-7	1520	Thu	725 1 7697 112 43232 67867 86843 38375 74237 ... 17861 30579 98021 64293 31377 000 000	CW	(MPJ)
11491	M12	30-7	1540	Thu	725 1 7697 112 43232 67867 86843 38375 74237 ... 17861 30579 98021 64293 31377 000 000	CW	(MPJ)
13386	M12	30-7	1740	Thu	725 1 8688 104 53693 06743 92834 ... 65559 75376 70171 000 000	CW	(AB/MPJ)
11491	M12	30-7	1740	Thu	725 1 8688 104 53693 06743 92834 ... 65559 75376 70171 000 000	CW	(AB/MPJ)
12189	M12	30-7	1740	Thu	725 1 8688 104 53693 06743 92834 ... 65559 75376 70171 000 000	CW	(AB/MPJ)
10343	M12	30-7	1800	Thu	124 1 2903 144 38928 64050 61391 69501 45276 ... 12334 44538 77587 06619 51319 000 000	CW	(MPJ)
9264	M12	30-7	1820	Thu	124 1 2903 144 38928 64050 61391 69501 45276 ... 12334 44538 77587 06619 51319 000 000	CW	(MPJ)
8116	M12	30-7	1840	Thu	124 1 2903 144 38928 64050 61391 69501 45276 ... 12334 44538 77587 06619 51319 000 000	CW	(MPJ)
10343	M12	30-7	1900	Thu	124 1 8207 118 29264 20198 46049 41061 32255 ... 00951 29621 40063 00811 000 000	CW	(MPJ)
9264	M12	30-7	1920	Thu	124 1 8207 118 29264 20198 46049 41061 32255 ... 00951 29621 40063 00811 000 000	CW	(MPJ)
8116	M12	30-7	1940	Thu	124 1 8207 118 29264 20198 46049 41061 32255 ... 00951 29621 40063 00811 000 000	CW	(MPJ)
6891	M14	3-7	1700	Fri	382 382 382 00000 Several repeats, then stops suddenly after "3"	CW	(AB)
7485	M14	3-7	1700	Fri	382 382 382 00000 Several repeats, then stops suddenly after "3"	CW	(AB)
5430	M14	4-7	0800	Sat	Barely audible	CW	(AB)
5240	M14	5-7	2300	Sun	376 524 524 020 020 (pauses 19 secs) 524 524 020 020 (pauses 17 secs, skips 1,5 group) 295 26704 14838 ... 14238 26365 23051 524 524 020 020 00000	CW	(AB)
5826	M14	6-7	0000	Mon	376 524 524 020 020 93295 26704 14838 ... 14238 26365 23051 524 524 020 020 00000	CW	(AB)
5241	M14	12-7	2300	Sun	376 524 020 Unreadable	CW	(AB)
5825	M14	13-7	0000	Mon	376 524 020 Unreadable	CW	(AB)
6856	M14	14-7	1820	Tue	163 163 163 00000	MCW	(MPJ)
5938	M14	15-7	1920	Wed	417 592 020 27856 43321 93276 50908 41178 ... 58216 60221 92770 29845 10456 72878 592 020 00000	CW	(MPJ)
7485	M14	17-7	1700	Fri	382 382 382 00000	MCW	(MPJ)
6891	M14	17-7	1758	Fri	382 382 382 00000	MCW	(MPJ)
5826	M14	27-7	0000	Mon	376 524 524 020 020 93295 26704 14838 ... 14238 26365 23051 524 524 020 020 00000	CW	(AB)
6856	M14	28-7	1829	Tue	163 771 2 955 .-... .-... 50 .-... 25 929 43765 19832 72308 ... 52981 48206 28881 93711 972 972 020 020 00000. Corrupt keying at start of msg	CW	(MPJ)
5938	M14	29-7	1920	Wed	417 592 20 27856 43321 93276 50908 41178 ... 60221 92770 29845 10456 72878 592 20 00000	CW	(MPJ)
3691	M21	8-7	1827	Wed	Russian Air Defense: =992127??0??????	CW	(JPL-Sib)
5221	M21	17-7	2323	Fri	=990225??0??????	CW	(JPL-Sib)
5228	M21	17-7	2325	Fri	=990225??8??????	CW	(JPL-Sib)
6844	M21	18-7	1540	Sat	=991841??0??????	CW	(JPL-Sib)
3692	M21	18-7	1841	Sat	=992141??0??????	CW	(JPL-Sib)
8030	M23	5-7	1559	Sun	579 (R7) //9069 kHz	CW	(Danix)
9069	M23	5-7	1559	Sun	579 (R7) //8030 kHz	CW	(Danix)
8030	M23	10-7	0559	Fri	579 (R12)	CW	(AB)
8030	M23	10-7	0629	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	10-7	0629	Fri	579 (R12) //8030 kHz	CW	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
8030	M23	10-7	1529	Fri	579 (R12)	CW	(AB)
8030	M23	10-7	1629	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	10-7	1629	Fri	579 (R12) //8030 kHz	CW	(AB)
8030	M23	11-7	0529	Sat	579 (R12) //not heard	CW	(AB)
8030	M23	11-7	0559	Sat	579 (R12) //not heard	CW	(AB)
9069	M23	11-7	0629	Sat	579 (R12) //8030 kHz	CW	(AB)
8030	M23	11-7	0629	Sat	579 (R12) //9069 kHz	CW	(AB)
9069	M23	12-7	0629	Sun	579 (R12) //8030 kHz	CW	(AB)
8030	M23	12-7	0629	Sun	579 (R12) //9069 kHz	CW	(AB)
9069	M23	12-7	1629	Sun	579 (R12) //8030 kHz	CW	(AB)
8030	M23	12-7	1629	Sun	579 (R12) //9069 kHz	CW	(AB)
8030	M23	13-7	0529	Mon	579 (R12) //not heard	CW	(AB)
9069	M23	13-7	0559	Mon	579 (R12) //8030 kHz	CW	(AB)
8030	M23	13-7	0559	Mon	579 (R12) //not heard	CW	(AB)
8030	M23	13-7	0629	Mon	579 (R12) //9069 kHz	CW	(AB)
9069	M23	13-7	0629	Mon	579 (R12) //8030 kHz	CW	(AB)
9069	M23	13-7	1559	Mon	579 (R12) //8030 kHz	CW	(BR)
8030	M23	13-7	1559	Mon	579 (R12) //9069 kHz	CW	(BR)
9069	M23	13-7	1629	Mon	579 (R12) //8030 kHz	CW	(BR)
8030	M23	13-7	1629	Mon	579 (R12) //9069 kHz	CW	(BR)
8030	M23	14-7	1529	Tue	579 (R12) //9069 kHz	CW	(AB)
9069	M23	14-7	1529	Tue	579 (R12) //8030 kHz	CW	(AB)
9069	M23	14-7	1559	Tue	579 (R12) //8030 kHz	CW	(AB)
8030	M23	14-7	1559	Tue	579 (R12) //9069 kHz	CW	(AB)
9069	M23	14-7	1629	Tue	579 (R12) //8030 kHz	CW	(AB)
8030	M23	14-7	1629	Tue	579 (R12) //9069 kHz	CW	(AB)
8030	M23	15-7	0529	Wed	579 (R12) //not heard	CW	(AB)
8030	M23	15-7	0559	Wed	579 (R12) //not heard	CW	(AB)
8030	M23	15-7	0629	Wed	579 (R12) //9069 kHz	CW	(AB)
9069	M23	15-7	0629	Wed	579 (R12) //8030 kHz	CW	(AB)
9069	M23	15-7	1529	Wed	579 (R12) //8030 kHz	CW	(BR)
8030	M23	15-7	1529	Wed	579 (R12) //9069 kHz	CW	(BR)
8030	M23	15-7	1559	Wed	579 (R12) //9069 kHz	CW	(BR)
9069	M23	15-7	1559	Wed	579 (R12) //8030 kHz	CW	(BR)
9069	M23	15-7	1629	Wed	579 (R12) //8030 kHz	CW	(BR)
8030	M23	15-7	1629	Wed	579 (R12) //9069 kHz	CW	(BR)
9096	M23	16-7	0529	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	16-7	0529	Thu	579 (R12) //9096 kHz	CW	(AB)
8030	M23	16-7	0529	Thu	579 (R12) //9069 kHz	CW	(AB)
9069	M23	16-7	0529	Thu	579 (R12) //8030 kHz	CW	(AB)
9096	M23	16-7	0559	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	16-7	0559	Thu	579 (R12) //9096 kHz	CW	(AB)
8030	M23	17-7	1159	Fri	128 (R12)	CW	(Danix)
9069	M23	18-7	0529	Sat	246 (R15) //8030 kHz	CW	(AB)
8030	M23	18-7	0529	Sat	246 (R15) //9069 kHz	CW	(AB)
8030	M23	18-7	0529	Sat	246 (R15) //9069 kHz	CW	(AB)
9069	M23	18-7	0529	Sat	246 (R15) //8030 kHz	CW	(AB)
8030	M23	18-7	0559	Sat	576	CW	(Danix)
8030	M23	18-7	0559	Sat	576	CW	(Danix)
9069	M23	18-7	0629	Sat	246 (R15) //8030 kHz	CW	(AB)
8030	M23	18-7	0629	Sat	246 (R15) //9069 kHz	CW	(AB)
8030	M23	18-7	0629	Sat	246 (R15) //9069 kHz	CW	(AB)
9069	M23	18-7	0629	Sat	246 (R15) //8030 kHz	CW	(AB)
8030	M23	18-7	1529	Sat	246 (R15) //9069 kHz	CW	(AB)
9069	M23	18-7	1529	Sat	246 (R15) //8030 kHz	CW	(AB)
8030	M23	18-7	1559	Sat	576 (R15) //9069 kHz	CW	(AB)
9069	M23	18-7	1559	Sat	676 (R15) //8030 kHz	CW	(AB)
8030	M23	18-7	1629	Sat	246 (R15) //9069 kHz	CW	(AB)
9069	M23	18-7	1629	Sat	246 (R15) //8030 kHz	CW	(AB)
9069	M23	19-7	0529	Sun	246 (R15) //8030 kHz	CW	(BR)
8030	M23	19-7	0529	Sun	246 (R15) //9069 kHz	CW	(BR)
8030	M23	19-7	0559	Sun	576 (R15) //9069 kHz	CW	(BR)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9069	M23	19-7	0559	Sun	576 (R15) //8030 kHz	CW	(BR)
8030	M23	19-7	0629	Sun	246 (R15) //9069 kHz	CW	(BR)
9069	M23	19-7	0629	Sun	246 (R15) //8030 kHz	CW	(BR)
9069	M23	19-7	1529	Sun	246 (R15) //8030 kHz	CW	(AB)
8030	M23	19-7	1529	Sun	246 (R15) //9069 kHz	CW	(AB)
9069	M23	19-7	1559	Sun	576 (R15) //8030 kHz	CW	(AB)
8030	M23	19-7	1559	Sun	576 (R15) //9069 kHz	CW	(AB)
8030	M23	19-7	1629	Sun	246 (R15) //9069 kHz	CW	(AB)
9069	M23	19-7	1629	Sun	246 (R15) //8030 kHz	CW	(AB)
9069	M23	20-7	0529	Mon	246 (R15) //8030 kHz	CW	(AB)
8030	M23	20-7	0529	Mon	246 (R15) //9069 kHz	CW	(AB)
8030	M23	20-7	0559	Mon	576 (R15) //9069 kHz	CW	(AB)
9069	M23	20-7	0559	Mon	576 (R15) //8030 kHz	CW	(AB)
8030	M23	20-7	1529	Mon	246 (R15) //9069 kHz	CW	(AB)
9069	M23	20-7	1529	Mon	246 (R15) //8030 kHz	CW	(AB)
9060	M23	20-7	1559	Mon	576 (R15) //8030 kHz	CW	(AB)
8030	M23	20-7	1559	Mon	576 (R15) //9069 kHz	CW	(AB)
9069	M23	20-7	1629	Mon	246 (R15) //8030 kHz	CW	(AB)
8030	M23	20-7	1629	Mon	246 (R15) //9069 kHz	CW	(AB)
9069	M23	21-7	0529	Tue	579 (R12) //8030 kHz	CW	(AB)
8030	M23	21-7	0529	Tue	579 (R12) //9069 kHz	CW	(AB)
8030	M23	21-7	0559	Tue	246 (R15) //not heard	CW	(AB)
9069	M23	21-7	0629	Tue	579 (R12) //8030 kHz	CW	(AB)
8030	M23	21-7	0629	Tue	579 (R12) //9069 kHz	CW	(AB)
9069	M23	21-7	1529	Tue	579 (R12) //8030 kHz	CW	(AB)
8030	M23	21-7	1529	Tue	579 (R12) //9069 kHz	CW	(AB)
9060	M23	21-7	1559	Tue	246 (R15) //8030 kHz	CW	(AB)
8030	M23	21-7	1559	Tue	246 (R15) //9069 kHz	CW	(AB)
8030	M23	21-7	1629	Tue	579 (R12) //9069 kHz	CW	(AB)
9069	M23	21-7	1629	Tue	579 (R12) //8030 kHz	CW	(AB)
9069	M23	22-7	0529	Wed	579 (R12) //8030 kHz	CW	(BR)
8030	M23	22-7	0529	Wed	579 (R12) //9069 kHz	CW	(BR)
8030	M23	22-7	0559	Wed	246 (R15) //9069 kHz	CW	(BR)
9069	M23	22-7	0559	Wed	246 (R15) //8030 kHz	CW	(BR)
8030	M23	22-7	0629	Wed	579 (R12) //9069 kHz	CW	(AB/BR)
9069	M23	22-7	0629	Wed	579 (R12) //8030 kHz	CW	(AB/BR)
9069	M23	22-7	1529	Wed	579 (R12) //8030 kHz	CW	(AB/BR)
8030	M23	22-7	1529	Wed	579 (R12) //9069 kHz	CW	(AB/BR)
9069	M23	22-7	1559	Wed	246 (R15) //8030 kHz	CW	(AB/BR)
8030	M23	22-7	1559	Wed	246 (R15) //9069 kHz	CW	(AB/BR)
8030	M23	22-7	1629	Wed	579 (R12) //9069 kHz	CW	(AB/BR)
9069	M23	22-7	1629	Wed	579 (R12) //8030 kHz	CW	(AB/BR)
9069	M23	23-7	0529	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	23-7	0529	Thu	579 (R12) //9069 kHz	CW	(AB)
9069	M23	23-7	0559	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	23-7	0559	Thu	579 (R12) //9069 kHz	CW	(AB)
9069	M23	23-7	0629	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	23-7	0629	Thu	579 (R12) //9069 kHz	CW	(AB)
9069	M23	23-7	1529	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	23-7	1529	Thu	579 (R12) //9069 kHz	CW	(AB)
9069	M23	23-7	1559	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	23-7	1559	Thu	579 (R12) //9069 kHz	CW	(AB)
8030	M23	23-7	1629	Thu	579 (R12) //9069 kHz	CW	(AB)
9069	M23	23-7	1629	Thu	579 (R12) //8030 kHz	CW	(AB)
8030	M23	24-7	0529	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	24-7	0529	Fri	579 (R12) //8030 kHz	CW	(AB)
8030	M23	24-7	0559	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	24-7	0559	Fri	579 (R12) //8030 kHz	CW	(AB)
8030	M23	24-7	0629	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	24-7	0629	Fri	579 (R12) //8030 kHz	CW	(AB)
8030	M23	24-7	1559	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	24-7	1559	Fri	579 (R12) //8030 kHz	CW	(AB)

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8030	M23	24-7	1630	Fri	579 (R12) //9069 kHz	CW	(AB)
9069	M23	24-7	1630	Fri	579 (R12) //8030 kHz	CW	(AB)
9069	M23	25-7	0529	Sat	579 (R12) //8030 kHz	CW	(BR)
8030	M23	25-7	0529	Sat	579 (R12) //9069 kHz	CW	(BR)
9069	M23	25-7	0559	Sat	579 (R12) //8030 kHz	CW	(AB/BR)
8030	M23	25-7	0559	Sat	579 (R12) //9069 kHz	CW	(AB/BR)
8030	M23	25-7	0629	Sat	579 (R12) //9069 kHz	CW	(AB/BR)
9069	M23	25-7	0629	Sat	579 (R12) //8030 kHz	CW	(AB/BR)
9069	M23	25-7	1559	Sat	579 (R12) //8030 kHz	CW	(BR)
8030	M23	25-7	1559	Sat	579 (R12) //9069 kHz	CW	(BR)
9069	M23	25-7	1629	Sat	579 (R12) //8030 kHz	CW	(BR)
8030	M23	25-7	1629	Sat	579 (R12) //9069 kHz	CW	(BR)
8030	M23	26-7	0529	Sun	579 (R12) //9069 kHz	CW	(BR)
9069	M23	26-7	0529	Sun	579 (R12) //8030 kHz	CW	(BR)
9069	M23	26-7	0559	Sun	579 (R12) //8030 kHz	CW	(AB/BR)
8030	M23	26-7	0559	Sun	579 (R12) //9069 kHz	CW	(AB/BR)
8030	M23	26-7	0629	Sun	579 (R12) //9069 kHz	CW	(AB/BR)
9069	M23	26-7	0629	Sun	579 (R12) //8030 kHz	CW	(AB/BR)
8030	M23	26-7	1529	Sun	579 (R12) //9069 kHz	CW	(BR)
9069	M23	26-7	1529	Sun	579 (R12) //8030 kHz	CW	(BR)
9069	M23	26-7	1559	Sun	579 (R12) //8030 kHz	CW	(BR)
8030	M23	26-7	1559	Sun	579 (R12) //9069 kHz	CW	(BR)
8030	M23	26-7	1629	Sun	579 (R12) //9069 kHz	CW	(BR)
9069	M23	26-7	1659	Sun	579 (R12) //8030 kHz	CW	(BR)
9069	M23	27-7	0529	Mon	579 (R12) //8030 kHz	CW	(AB)
8030	M23	27-7	0529	Mon	579 (R12) //9069 kHz	CW	(AB)
9069	M23	27-7	0559	Mon	579 (R12) //8030 kHz	CW	(AB)
8030	M23	27-7	0559	Mon	579 (R12) //9069 kHz	CW	(AB)
9069	M23	27-7	1529	Mon	579 (R12) //8030 kHz	CW	(AB)
8030	M23	27-7	1529	Mon	579 (R12) //9069 kHz	CW	(AB)
8030	M23	27-7	1629	Mon	579 (R12) //9069 kHz	CW	(AB)
9069	M23	27-7	1659	Mon	579 (R12) //8030 kHz	CW	(AB)
3171	M32	8-7	1640	Wed	SOXM DE A27Y QTC K. A27Y 013 21 8 1930 013 = 567 = AAAAA AUL\OT \OSQYR GMO\UE \OBY\U (Cont)	CW	(JPL-Sib)
5214	M32	18-7	1530	Sat	TD6T DE OFPQ QTC = 059 33 18 2125 059 = 222 = 11111 36853 96359 65953 ... 25415 12471 18030 = 222 K	CW	(JPL-Sib)
8608	M32	19-7	1354	Sun	XXX XXX WEGI WEGI 59170 10978 FANT 1753 9686 K	CW	(JPL-Sib)
8136	M32	20-7	0945	Mon	XXX XXX RGT77 RGT77 63382 95837 ASCENA 7135 2285 K	CW	(JPL-Sib)
8136	M32	20-7	0946	Mon	RDL RDL RDL 03556 55967 03556 55967 03556 55967 K	CW	(JPL-Sib)
8136	M32	20-7	0948	Mon	XXX XXX WEGI WEGI 44373 69314 DRAWIROWKA 1444 0470	CW	(JPL-Sib)
8136	M32	20-7	0949	Mon	XXX XXX WEGI WEGI 44373 69314 DRAWIROWKA 1444 0470 K	CW	(JPL-Sib)
7838	M32	20-7	0951	Mon	XXX XXX LOMO LOMO 37439 BORMEST 4859 6347 K	CW	(JPL-Sib)
14011	M32	28-7	1249	Tue	16NC DE ZLKG QRJ3 QJZ QYT9 K. 16NC DE ZLKG QTC 32189 34651 89113 56432 15898 34789 31218 29353 86811 02031 ...	CW	(AB)
8895	M32c	7-7	0722	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
8895	M32c	14-7	0600	Tue	W-markers: Tu-95MS Bear-H net	CW	(Tom)
14827	M42c	1-7	1840	Wed	Russian diplo/intel. =8381 54258612750671985 ... =84527 262408039542080104 J57628 00000+++++++179	FSK 200/500	(AB)
12212	M42c	1-7	1850	Wed	Russian diplo/intel. =8381 54258612750671985 ... =84527 262408039542080104 J57628 00000+++++++179	FSK 200/500	(AB)
10930	M42c	1-7	1900	Wed	Russian diplo/intel. =8381 54258612750671985 ... =84527 262408039542080104 J57628 00000+++++++179	FSK 200/500	(AB)
16329	M42c	4-7	1200	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
16237	M42c	4-7	1200	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB)
14639	M42c	4-7	1210	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB)
14641	M42c	4-7	1210	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
12187	M42c	4-7	1220	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
12185	M42c	4-7	1220	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB)
16147	M42c	4-7	1810	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
14389	M42c	4-7	1820	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
12214	M42c	4-7	1830	Sat	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
11121	M42c	9-7	1900	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
11123	M42c	9-7	1900	Thu	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)

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9115	M42c	9-7	1910	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
9117	M42c	9-7	1910	Thu	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
6826	M42c	9-7	1920	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
6828	M42c	9-7	1920	Thu	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(HFD)
16327	M42c	11-7	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
14639	M42c	11-7	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
12185	M42c	11-7	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
14878	M42c	13-7	0030	Mon	Russian diplo/intel. txm site Cuba. 166(2 35111 77001 17791 64130 31013 39	FSK 200/500	(MCO)
11121	M42c	16-7	1900	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
9115	M42c	16-7	1910	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
6826	M42c	16-7	1920	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
16327	M42c	18-7	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
14639	M42c	18-7	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
12185	M42c	18-7	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
16145	M42c	18-7	1810	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
14387	M42c	18-7	1820	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
12212	M42c	18-7	1830	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
16327	M42c	25-7	1200	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
14639	M42c	25-7	1210	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
12185	M42c	25-7	1220	Sat	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
11121	M42c	30-7	1900	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB)
9115	M42c	30-7	1910	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
6826	M42c	30-7	1920	Thu	Russian diplo/intel. RYRYRY 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
11157	M42d	1-7	0700	Wed	Russian diplo/intel. Msg 105 on link 45137	FSK 200/1000	(AB)
9186	M42d	1-7	0710	Wed	Russian diplo/intel. Msg 105 on link 45137	FSK 200/1000	(AB)
16242	M42d	1-7	1230	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
14647	M42d	1-7	1240	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
12204	M42d	1-7	1250	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
11157	M42d	2-7	0700	Thu	Russian diplo/intel. Msg 107 on link 45136	FSK 200/1000	(AB)
9186	M42d	2-7	0710	Thu	Russian diplo/intel. Msg 107 on link 45136	FSK 200/1000	(AB)
7667	M42d	2-7	0720	Thu	Russian diplo/intel. Msg 107 on link 45136	FSK 200/1000	(AB)
11021	M42d	2-7	1340	Thu	Russian diplo/intel. Msg 140 on link 49237	FSK 200/1000	(AB)
11157	M42d	3-7	0700	Fri	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
9186	M42d	3-7	0710	Fri	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
7667	M42d	3-7	0720	Fri	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
17517	M42d	5-7	0800	Sun	Russian diplo/intel. Msg 027 on link 45114	FSK 200/1000	(AB)
15863	M42d	5-7	0810	Sun	Russian diplo/intel. Msg 027 on link 45114	FSK 200/1000	(AB)
13516	M42d	5-7	0820	Sun	Russian diplo/intel. Msg 027 on link 45114	FSK 200/1000	(AB)
14419	M42d	6-7	0400	Mon	Russian diplo/intel. Msg 007 on link 45079	FSK 200/1000	(AB)
10773	M42d	6-7	0410	Mon	Russian diplo/intel. Msg 007 on link 45079	FSK 200/1000	(AB)
8167	M42d	6-7	0420	Mon	Russian diplo/intel. Msg 007 on link 45079	FSK 200/1000	(AB)
11157	M42d	6-7	0700	Mon	Russian diplo/intel. Msg 112 on link 45136	FSK 200/1000	(AB)
9186	M42d	6-7	0710	Mon	Russian diplo/intel. Msg 112 on link 45136	FSK 200/1000	(AB)
7667	M42d	6-7	0720	Mon	Russian diplo/intel. Msg 112 on link 45136	FSK 200/1000	(AB)
10627	M42d	6-7	1200	Mon	Russian diplo/intel. Msg 112 on link 45136	FSK 200/1000	(AB)
8136	M42d	6-7	1210	Mon	Russian diplo/intel. Msg 112 on link 45136	FSK 200/1000	(AB)
6772	M42d	6-7	1220	Mon	Russian diplo/intel. Msg 112 on link 45136	FSK 200/1000	(AB)
10627	M42d	7-7	1200	Tue	Russian diplo/intel. Msg 115 on link 45137	FSK 200/1000	(AB)
8136	M42d	7-7	1210	Tue	Russian diplo/intel. Msg 115 on link 45137	FSK 200/1000	(AB)
6772	M42d	7-7	1220	Tue	Russian diplo/intel. Msg 115 on link 45137	FSK 200/1000	(AB)
17436	M42d	7-7	1400	Tue	Russian diplo/intel. Msg 092 on link 32799	FSK 200/1000	(AB)
15847	M42d	7-7	1410	Tue	Russian diplo/intel. Msg 092 on link 32799	FSK 200/1000	(AB)
13374	M42d	7-7	1420	Tue	Russian diplo/intel. Msg 092 on link 32799	FSK 200/1000	(AB)
17477	M42d	7-7	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
15929	M42d	7-7	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13565	M42d	7-7	1730	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
14454	M42d	7-7	2300	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
12186	M42d	7-7	2310	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
11082	M42d	7-7	2320	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
15842	M42d	8-7	0800	Wed	Russian diplo/intel. Msg 120 on link 45136	FSK 200/1000	(AB)
17439	M42d	8-7	0800	Wed	Russian diplo/intel. Msg 002 on link 16405	FSK 200/1000	(AB)
15844	M42d	8-7	0810	Wed	Russian diplo/intel. Msg 002 on link 16405	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
13394	M42d	8-7	0810	Wed	Russian diplo/intel. Msg 120 on link 45136	FSK 200/1000	(AB)
13492	M42d	8-7	0820	Wed	Russian diplo/intel. Msg 002 on link 16405	FSK 200/1000	(AB)
11087	M42d	8-7	0820	Wed	Russian diplo/intel. Msg 120 on link 45136	FSK 200/1000	(AB)
16059	M42d	8-7	0915	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
14387	M42d	8-7	0925	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
12176	M42d	8-7	0935	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
10627	M42d	8-7	1200	Wed	Russian diplo/intel. Msg 120 on link 45137	FSK 200/1000	(AB)
8136	M42d	8-7	1210	Wed	Russian diplo/intel. Msg 120 on link 45137	FSK 200/1000	(AB)
6772	M42d	8-7	1220	Wed	Russian diplo/intel. Msg 120 on link 45137	FSK 200/1000	(AB)
16029	M42d	8-7	2200	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
14367	M42d	8-7	2210	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
12191	M42d	8-7	2220	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
11157	M42d	9-7	0700	Thu	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
9186	M42d	9-7	0710	Thu	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
7667	M42d	9-7	0720	Thu	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
10627	M42d	9-7	1200	Thu	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
8136	M42d	9-7	1210	Thu	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
6772	M42d	9-7	1220	Thu	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
13385	M42d	9-7	1330	Thu	Russian diplo/intel. Msg 035 on link 49237	FSK 200/1000	(AB)
11021	M42d	9-7	1340	Thu	Russian diplo/intel. Msg 035 on link 49237	FSK 200/1000	(AB)
9164	M42d	9-7	1350	Thu	Russian diplo/intel. Msg 035 on link 49237	FSK 200/1000	(AB)
11157	M42d	10-7	0700	Fri	Russian diplo/intel. Msg 210 on link 45136	FSK 200/1000	(AB)
9186	M42d	10-7	0710	Fri	Russian diplo/intel. Msg 210 on link 45136	FSK 200/1000	(AB)
7667	M42d	10-7	0720	Fri	Russian diplo/intel. Msg 210 on link 45136	FSK 200/1000	(AB)
17517	M42d	11-7	0800	Sat	Russian diplo/intel. Msg 030 on link 45115	FSK 200/1000	(AB)
15863	M42d	11-7	0810	Sat	Russian diplo/intel. Msg 030 on link 45115	FSK 200/1000	(AB)
13516	M42d	11-7	0820	Sat	Russian diplo/intel. Msg 030 on link 45115	FSK 200/1000	(AB)
16087	M42d	11-7	0900	Sat	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
14382	M42d	11-7	0910	Sat	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
12171	M42d	11-7	0920	Sat	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
19624	M42d	11-7	1100	Sat	Russian diplo/intel. Msg 050 on link 36882	FSK 200/1000	(AB)
17486	M42d	11-7	1110	Sat	Russian diplo/intel. Msg 050 on link 36882	FSK 200/1000	(AB)
14581	M42d	11-7	1120	Sat	Russian diplo/intel. Msg 050 on link 36882	FSK 200/1000	(AB)
16087	M42d	12-7	0900	Sun	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
14382	M42d	12-7	0910	Sun	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
12171	M42d	12-7	0920	Sun	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
17542	M42d	12-7	1100	Sun	Russian diplo/intel. Msg 127 on link 20501	FSK 200/1000	(AB)
19624	M42d	12-7	1100	Sun	Russian diplo/intel. Msg 050 on link 36882	FSK 200/1000	(AB)
17486	M42d	12-7	1110	Sun	Russian diplo/intel. Msg 050 on link 36882	FSK 200/1000	(AB)
15624	M42d	12-7	1110	Sun	Russian diplo/intel. Msg 127 on link 20501	FSK 200/1000	(AB)
14581	M42d	12-7	1120	Sun	Russian diplo/intel. Msg 050 on link 36882	FSK 200/1000	(AB)
13494	M42d	12-7	1120	Sun	Russian diplo/intel. Msg 127 on link 20501	FSK 200/1000	(AB)
11157	M42d	13-7	0700	Mon	Russian diplo/intel. Msg 127 on link 45137	FSK 200/1000	(AB)
9186	M42d	13-7	0710	Mon	Russian diplo/intel. Msg 127 on link 45137	FSK 200/1000	(AB)
7667	M42d	13-7	0720	Mon	Russian diplo/intel. Msg 127 on link 45137	FSK 200/1000	(AB)
16027	M42d	13-7	1200	Mon	Russian diplo/intel. Msg 127 on link 45137	FSK 200/1000	(AB)
8136	M42d	13-7	1210	Mon	Russian diplo/intel. Msg 127 on link 45137	FSK 200/1000	(AB)
6772	M42d	13-7	1220	Mon	Russian diplo/intel. Msg 127 on link 45137	FSK 200/1000	(AB)
11157	M42d	14-7	0700	Tue	Russian diplo/intel. Msg 130 on link 45137	FSK 200/1000	(AB)
9186	M42d	14-7	0710	Tue	Russian diplo/intel. Msg 130 on link 45137	FSK 200/1000	(AB)
7667	M42d	14-7	0720	Tue	Russian diplo/intel. Msg 130 on link 45137	FSK 200/1000	(AB)
16027	M42d	14-7	1200	Tue	Russian diplo/intel. Msg 130 on link 45137	FSK 200/1000	(AB)
8136	M42d	14-7	1210	Tue	Russian diplo/intel. Msg 130 on link 45137	FSK 200/1000	(AB)
6772	M42d	14-7	1220	Tue	Russian diplo/intel. Msg 130 on link 45137	FSK 200/1000	(AB)
17436	M42d	14-7	1400	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
15847	M42d	14-7	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/MPJ)
13374	M42d	14-7	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
17477	M42d	14-7	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
15929	M42d	14-7	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13565	M42d	14-7	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
12186	M42d	14-7	2310	Tue	Russian diplo/intel. Msg 002 on link 40988	FSK 200/1000	(AB)
11082	M42d	14-7	2320	Tue	Russian diplo/intel. Msg 002 on link 40988	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
11157	M42d	15-7	0700	Wed	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
9186	M42d	15-7	0710	Wed	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
7667	M42d	15-7	0720	Wed	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
15842	M42d	15-7	0800	Wed	Russian diplo/intel. Msg 117 on link 45075	FSK 200/1000	(AB)
13394	M42d	15-7	0810	Wed	Russian diplo/intel. Msg 117 on link 45075	FSK 200/1000	(AB)
11087	M42d	15-7	0820	Wed	Russian diplo/intel. Msg 117 on link 45075	FSK 200/1000	(AB)
10627	M42d	15-7	1200	Wed	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
8136	M42d	15-7	1210	Wed	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
6772	M42d	15-7	1220	Wed	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
16242	M42d	15-7	1230	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
14647	M42d	15-7	1240	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
12204	M42d	15-7	1250	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
16029	M42d	15-7	2200	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
14367	M42d	15-7	2210	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
12191	M42d	15-7	2220	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
11157	M42d	16-7	0700	Thu	Russian diplo/intel. Msg 137 on link 45137	FSK 200/1000	(AB)
9186	M42d	16-7	0710	Thu	Russian diplo/intel. Msg 137 on link 45137	FSK 200/1000	(AB)
7667	M42d	16-7	0720	Thu	Russian diplo/intel. Msg 137 on link 45137	FSK 200/1000	(AB)
10627	M42d	16-7	1200	Thu	Russian diplo/intel. Msg 137 on link 45137	FSK 200/1000	(AB)
8136	M42d	16-7	1210	Thu	Russian diplo/intel. Msg 137 on link 45137	FSK 200/1000	(AB)
6772	M42d	16-7	1220	Thu	Russian diplo/intel. Msg 137 on link 45137	FSK 200/1000	(AB)
13385	M42d	16-7	1330	Thu	Russian diplo/intel. Msg 117 on link 49237	FSK 200/1000	(AB)
11021	M42d	16-7	1340	Thu	Russian diplo/intel. Msg 117 on link 49237	FSK 200/1000	(AB)
9164	M42d	16-7	1350	Thu	Russian diplo/intel. Msg 117 on link 49237	FSK 200/1000	(AB)
11157	M42d	17-7	0700	Fri	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
9186	M42d	17-7	0710	Fri	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
7667	M42d	17-7	0720	Fri	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
17434	M42d	18-7	2100	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
15787	M42d	18-7	2110	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
13471	M42d	18-7	2120	Sat	Russian diplo/intel. Msg 002 on link 32821	FSK 200/1000	(AB)
19624	M42d	19-7	1100	Sun	Russian diplo/intel. Msg 052 on link 36882	FSK 200/1000	(AB)
17486	M42d	19-7	1110	Sun	Russian diplo/intel. Msg 052 on link 36882	FSK 200/1000	(AB)
14581	M42d	19-7	1120	Sun	Russian diplo/intel. Msg 052 on link 36882	FSK 200/1000	(AB)
17542	M42d	19-7	1530	Sun	Russian diplo/intel. Msg 127 on link 20501	FSK 200/1000	(AB)
15624	M42d	19-7	1540	Sun	Russian diplo/intel. Msg 127 on link 20501	FSK 200/1000	(AB)
13494	M42d	19-7	1550	Sun	Russian diplo/intel. Msg 127 on link 20501	FSK 200/1000	(AB)
14879	M42d	20-7	0300	Mon	Russian diplo/intel. Msg 087 on link 41018	FSK 200/1000	(AB)
12211	M42d	20-7	0400	Mon	Russian diplo/intel. Msg 010 on link 45079	FSK 200/1000	(AB)
10773	M42d	20-7	0410	Mon	Russian diplo/intel. Msg 010 on link 45079	FSK 200/1000	(AB)
8167	M42d	20-7	0420	Mon	Russian diplo/intel. Msg 010 on link 45079	FSK 200/1000	(AB)
11157	M42d	20-7	0700	Mon	Russian diplo/intel. Msg 142 on link 45136	FSK 200/1000	(AB)
9186	M42d	20-7	0710	Mon	Russian diplo/intel. Msg 142 on link 45136	FSK 200/1000	(AB)
7667	M42d	20-7	0720	Mon	Russian diplo/intel. Msg 142 on link 45136	FSK 200/1000	(AB)
10627	M42d	20-7	1200	Mon	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
8136	M42d	20-7	1210	Mon	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
6772	M42d	20-7	1220	Mon	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
14879	M42d	21-7	0300	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
11157	M42d	21-7	0700	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
9186	M42d	21-7	0710	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
7667	M42d	21-7	0720	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
17477	M42d	21-7	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
15929	M42d	21-7	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
13565	M42d	21-7	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
14545	M42d	21-7	2300	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
12186	M42d	21-7	2310	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
11082	M42d	21-7	2320	Tue	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
11157	M42d	22-7	0700	Wed	Russian diplo/intel. Msg 150 on link 45137	FSK 200/1000	(AB)
9186	M42d	22-7	0710	Wed	Russian diplo/intel. Msg 150 on link 45137	FSK 200/1000	(AB)
7667	M42d	22-7	0720	Wed	Russian diplo/intel. Msg 150 on link 45137	FSK 200/1000	(AB)
15842	M42d	22-7	0800	Wed	Russian diplo/intel. Msg 167 on link 45075	FSK 200/1000	(AB)
17439	M42d	22-7	0800	Wed	Russian diplo/intel. Msg 220 on link 16404	FSK 200/1000	(AB)
13394	M42d	22-7	0810	Wed	Russian diplo/intel. Msg 167 on link 45075	FSK 200/1000	(AB)

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15844	M42d	22-7	0810	Wed	Russian diplo/intel. Msg 220 on link 16404	FSK 200/1000	(AB)
11087	M42d	22-7	0820	Wed	Russian diplo/intel. Msg 167 on link 45075	FSK 200/1000	(AB)
13492	M42d	22-7	0820	Wed	Russian diplo/intel. Msg 220 on link 16404	FSK 200/1000	(AB)
16059	M42d	22-7	0915	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
14387	M42d	22-7	0925	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
12176	M42d	22-7	0935	Wed	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB)
10627	M42d	22-7	1200	Wed	Russian diplo/intel. Msg 150 on link 45137	FSK 200/1000	(AB)
8136	M42d	22-7	1210	Wed	Russian diplo/intel. Msg 150 on link 45137	FSK 200/1000	(AB)
6772	M42d	22-7	1220	Wed	Russian diplo/intel. Msg 150 on link 45137	FSK 200/1000	(AB)
16029	M42d	22-7	2200	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
14367	M42d	22-7	2210	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
12191	M42d	22-7	2220	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
11157	M42d	23-7	0700	Thu	Russian diplo/intel. Msg 152 on link 45136	FSK 200/1000	(AB)
9186	M42d	23-7	0710	Thu	Russian diplo/intel. Msg 152 on link 45136	FSK 200/1000	(AB)
7667	M42d	23-7	0720	Thu	Russian diplo/intel. Msg 152 on link 45136	FSK 200/1000	(AB)
17439	M42d	23-7	0800	Thu	Russian diplo/intel. Msg 220 on link 16404	FSK 200/1000	(AB)
15844	M42d	23-7	0810	Thu	Russian diplo/intel. Msg 220 on link 16404	FSK 200/1000	(AB)
13492	M42d	23-7	0820	Thu	Russian diplo/intel. Msg 220 on link 16404	FSK 200/1000	(AB)
10627	M42d	23-7	1200	Thu	Russian diplo/intel. Msg 152 on link 45136	FSK 200/1000	(AB)
8136	M42d	23-7	1210	Thu	Russian diplo/intel. Msg 152 on link 45136	FSK 200/1000	(AB)
6772	M42d	23-7	1220	Thu	Russian diplo/intel. Msg 152 on link 45136	FSK 200/1000	(AB)
13385	M42d	23-7	1330	Thu	Russian diplo/intel. Msg 185 on link 49237	FSK 200/1000	(AB)
11021	M42d	23-7	1340	Thu	Russian diplo/intel. Msg 185 on link 49237	FSK 200/1000	(AB)
9164	M42d	23-7	1350	Thu	Russian diplo/intel. Msg 185 on link 49237	FSK 200/1000	(AB)
16389	M42d	24-7	0600	Fri	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
14517	M42d	24-7	0610	Fri	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
12184	M42d	24-7	0620	Fri	Russian diplo/intel. Msg 137 on link 40988	FSK 200/1000	(AB)
11157	M42d	24-7	0700	Fri	Russian diplo/intel. Msg 140 on link 45137	FSK 200/1000	(AB)
9186	M42d	24-7	0710	Fri	Russian diplo/intel. Msg 140 on link 45137	FSK 200/1000	(AB)
7667	M42d	24-7	0720	Fri	Russian diplo/intel. Msg 140 on link 45137	FSK 200/1000	(AB)
17517	M42d	25-7	0800	Sat	Russian diplo/intel. Msg 030 on link 45115	FSK 200/1000	(AB)
15863	M42d	25-7	0810	Sat	Russian diplo/intel. Msg 030 on link 45115	FSK 200/1000	(AB)
13516	M42d	25-7	0820	Sat	Russian diplo/intel. Msg 030 on link 45115	FSK 200/1000	(AB)
16087	M42d	25-7	0900	Sat	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
14382	M42d	25-7	0910	Sat	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
12171	M42d	25-7	0920	Sat	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
19624	M42d	25-7	1100	Sat	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB)
17486	M42d	25-7	1110	Sat	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB)
14581	M42d	25-7	1120	Sat	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB)
17434	M42d	25-7	2100	Sat	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB)
15787	M42d	25-7	2110	Sat	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB)
13471	M42d	25-7	2120	Sat	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB)
18244	M42d	25-7	2130	Sat	Russian diplo/intel. Msg 014 on link 32821	FSK 200/1000	(AB)
16147	M42d	25-7	2140	Sat	Russian diplo/intel. Msg 014 on link 32821	FSK 200/1000	(AB)
14472	M42d	25-7	2150	Sat	Russian diplo/intel. Msg 014 on link 32821	FSK 200/1000	(AB)
17517	M42d	26-7	0800	Sun	Russian diplo/intel. Msg 032 on link 45115	FSK 200/1000	(AB)
15863	M42d	26-7	0810	Sun	Russian diplo/intel. Msg 032 on link 45115	FSK 200/1000	(AB)
13516	M42d	26-7	0820	Sun	Russian diplo/intel. Msg 032 on link 45115	FSK 200/1000	(AB)
16087	M42d	26-7	0900	Sun	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
14382	M42d	26-7	0910	Sun	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
12171	M42d	26-7	0920	Sun	Russian diplo/intel. Msg 182 on link 45057	FSK 200/1000	(AB)
17542	M42d	26-7	1100	Sun	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
15624	M42d	26-7	1110	Sun	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13494	M42d	26-7	1120	Sun	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
17434	M42d	26-7	2100	Sun	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB)
15787	M42d	26-7	2110	Sun	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB)
13471	M42d	26-7	2120	Sun	Russian diplo/intel. Msg 052 on link 32821	FSK 200/1000	(AB)
11157	M42d	27-7	0700	Mon	Russian diplo/intel. Msg 157 on link 45137	FSK 200/1000	(AB)
9186	M42d	27-7	0710	Mon	Russian diplo/intel. Msg 157 on link 45137	FSK 200/1000	(AB)
7667	M42d	27-7	0720	Mon	Russian diplo/intel. Msg 157 on link 45137	FSK 200/1000	(AB)
16027	M42d	27-7	1200	Mon	Russian diplo/intel. Msg 157 on link 45137	FSK 200/1000	(AB)
8136	M42d	27-7	1210	Mon	Russian diplo/intel. Msg 157 on link 45137	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
6772	M42d	27-7	1220	Mon	Russian diplo/intel. Msg 157 on link 45137	FSK 200/1000	(AB)
11157	M42d	28-7	0700	Tue	Russian diplo/intel. Msg 160 on link 45136	FSK 200/1000	(AB)
9186	M42d	28-7	0710	Tue	Russian diplo/intel. Msg 160 on link 45136	FSK 200/1000	(AB)
7667	M42d	28-7	0720	Tue	Russian diplo/intel. Msg 160 on link 45136	FSK 200/1000	(AB)
10627	M42d	28-7	1200	Tue	Russian diplo/intel. Msg 160 on link 45136	FSK 200/1000	(AB)
8136	M42d	28-7	1210	Tue	Russian diplo/intel. Msg 160 on link 45136	FSK 200/1000	(AB)
6772	M42d	28-7	1220	Tue	Russian diplo/intel. Msg 160 on link 45136	FSK 200/1000	(AB)
17436	M42d	28-7	1400	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
15847	M42d	28-7	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
13374	M42d	28-7	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
17477	M42d	28-7	1650	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
15929	M42d	28-7	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13565	M42d	28-7	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
11157	M42d	29-7	0700	Wed	Russian diplo/intel. Msg 165 on link 45137	FSK 200/1000	(AB)
9186	M42d	29-7	0710	Wed	Russian diplo/intel. Msg 165 on link 45137	FSK 200/1000	(AB)
7667	M42d	29-7	0720	Wed	Russian diplo/intel. Msg 165 on link 45137	FSK 200/1000	(AB)
15842	M42d	29-7	0800	Wed	Russian diplo/intel. Msg 045 on link 45075	FSK 200/1000	(AB)
13394	M42d	29-7	0810	Wed	Russian diplo/intel. Msg 045 on link 45075	FSK 200/1000	(AB)
11087	M42d	29-7	0820	Wed	Russian diplo/intel. Msg 045 on link 45075	FSK 200/1000	(AB)
10627	M42d	29-7	1200	Wed	Russian diplo/intel. Msg 165 on link 45137	FSK 200/1000	(AB)
8136	M42d	29-7	1210	Wed	Russian diplo/intel. Msg 165 on link 45137	FSK 200/1000	(AB)
6772	M42d	29-7	1220	Wed	Russian diplo/intel. Msg 165 on link 45137	FSK 200/1000	(AB)
14367	M42d	29-7	2210	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
12191	M42d	29-7	2220	Wed	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
11157	M42d	30-7	0700	Thu	Russian diplo/intel. Msg 167 on link 45136	FSK 200/1000	(AB)
9186	M42d	30-7	0710	Thu	Russian diplo/intel. Msg 167 on link 45136	FSK 200/1000	(AB)
7667	M42d	30-7	0720	Thu	Russian diplo/intel. Msg 167 on link 45136	FSK 200/1000	(AB)
10627	M42d	30-7	1200	Thu	Russian diplo/intel. Msg 167 on link 45136	FSK 200/1000	(AB)
8136	M42d	30-7	1210	Thu	Russian diplo/intel. Msg 167 on link 45136	FSK 200/1000	(AB)
6772	M42d	30-7	1220	Thu	Russian diplo/intel. Msg 167 on link 45136	FSK 200/1000	(AB)
13385	M42d	30-7	1330	Thu	Russian diplo/intel. Msg 170 on link 49237	FSK 200/1000	(AB)
11021	M42d	30-7	1340	Thu	Russian diplo/intel. Msg 170 on link 49237	FSK 200/1000	(AB)
9164	M42d	30-7	1350	Thu	Russian diplo/intel. Msg 170 on link 49237	FSK 200/1000	(AB)
16289	M42d	31-7	0600	Fri	Russian diplo/intel. Msg 140 on link 40988	FSK 200/1000	(AB)
14517	M42d	31-7	0610	Fri	Russian diplo/intel. Msg 140 on link 40988	FSK 200/1000	(AB)
12184	M42d	31-7	0620	Fri	Russian diplo/intel. Msg 140 on link 40988	FSK 200/1000	(AB)
11157	M42d	31-7	0700	Fri	Russian diplo/intel. Msg 065 on link 45136	FSK 200/1000	(AB)
9186	M42d	31-7	0710	Fri	Russian diplo/intel. Msg 065 on link 45136	FSK 200/1000	(AB)
7667	M42d	31-7	0720	Fri	Russian diplo/intel. Msg 065 on link 45136	FSK 200/1000	(AB)
18013	M51a	22-7	1139	Wed	FAV22 training msg: LA VITESSE DES TEXTES ENLAIR EST LEGEREMENT SUPERIEURE A LA VITESSE ANNOCEE. = MERCEDI-LE NUMÉRO 22 VIESSE 720 CLAR +	CW	(SP1)
3330	M89	1-7	1415	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	1-7	1417	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	1-7	1418	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	1-7	1418	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3821	M89	1-7	1419	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	1-7	1419	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
4860	M89	1-7	1420	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	1-7	1420	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
9131	M89	6-7	0819	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	6-7	0819	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
6840	M89	6-7	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	6-7	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	6-7	1132	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5644	M89	6-7	1134	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	6-7	1530	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	6-7	1531	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	6-7	1531	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	6-7	1533	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	6-7	1533	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	6-7	1535	Mon	HR SVC NR 89 2330 RMKS 8593 TO 8611/.523 = //3821	CW	(JPL)
5644	M89	6-7	1535	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3821	M89	6-7	1535	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5500	M89	6-7	1542	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	6-7	1644	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	6-7	1645	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	6-7	1645	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	6-7	1646	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	6-7	1646	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	6-7	1648	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5500	M89	6-7	1652	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	6-7	1914	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	6-7	1915	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	6-7	1915	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	6-7	1916	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	6-7	1916	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	6-7	1917	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	6-7	1917	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5500	M89	6-7	1918	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4860	M89	6-7	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	6-7	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	6-7	2102	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	6-7	2103	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	6-7	2103	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
5500	M89	6-7	2107	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
4532	M89	6-7	2109	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
4860	M89	6-7	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	6-7	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
10947	M89	7-7	0054	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	7-7	0054	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
8110	M89	7-7	0058	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
10640	M89	7-7	0120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	7-7	0120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10947	M89	7-7	0618	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6840	M89	7-7	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	7-7	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8110	M89	7-7	0821	Tue	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5644	M89	7-7	1127	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10180	M89	7-7	1130	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3330	M89	7-7	1131	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	7-7	1132	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
8073	M89	7-7	1144	Tue	V BNGC (x3) DE XSV85 (x2) (Cont'd)	CW	(JPL)
3330	M89	7-7	1839	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	7-7	1841	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	7-7	1841	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	7-7	1842	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	7-7	1842	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	7-7	1843	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	7-7	1843	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5644	M89	7-7	2203	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8060	M89	7-7	2207	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
10947	M89	8-7	1113	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	8-7	1113	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5801	M89	8-7	1115	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	8-7	1115	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
10640	M89	8-7	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-7	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
3330	M89	8-7	1125	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
8073	M89	8-7	1141	Wed	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
5801	M89	8-7	1516	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	8-7	1516	Wed	V DKG6 DE 3A7D (x2) HR MSG NR .017 /CCK CK 299 .. 2.1 RMKS ...	CW	(JPL)
6840	M89	8-7	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	8-7	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	8-7	1525	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3777	M89	8-7	1526	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	8-7	1526	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	8-7	1527	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	8-7	1527	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3330	M89	8-7	1935	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	8-7	1936	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	8-7	1936	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	8-7	1938	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3821	M89	8-7	1938	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4532	M89	8-7	1938	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	8-7	1938	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3330	M89	8-7	2119	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
6840	M89	8-7	2120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5801	M89	8-7	2120	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4860	M89	8-7	2120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
7602	M89	8-7	2120	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3777	M89	8-7	2122	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	8-7	2123	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
10640	M89	8-7	2320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-7	2320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
9131	M89	8-7	2326	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	8-7	2326	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10947	M89	9-7	0912	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
5644	M89	9-7	0912	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
9131	M89	9-7	0912	Thu	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
3821	M89	9-7	0912	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
6840	M89	9-7	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	9-7	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10947	M89	9-7	1032	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	9-7	1032	Thu	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5588	M89	9-7	1034	Thu	III = 6TDU AT54 756A 43AT 43A6 T54A III = AN7D 6T6D U5AT NAU6 7ADA U35U (Cont'd)	CW	(JPL)
10180	M89	9-7	1040	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
6793	M89	9-7	1042	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	9-7	1042	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
5588	M89	9-7	1043	Thu	i.p. MSG NR 036 CK 301 4. 0709 1830 = 7T64 5UDU N3DA 436D (Cont'd)	CW	(JPL)
3330	M89	9-7	1242	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	9-7	1244	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5801	M89	9-7	1247	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	9-7	1247	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3330	M89	9-7	1254	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3330	M89	9-7	1648	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	9-7	1650	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	9-7	1650	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3797	M89	9-7	1652	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	9-7	1652	Thu	V M8JF (x3) DE RIS9 (x2) //3797	CW	(JPL)
3821	M89	9-7	1656	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	9-7	1656	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3330	M89	9-7	2059	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	9-7	2100	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	9-7	2100	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3797	M89	9-7	2101	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	9-7	2101	Thu	V M8JF (x3) DE RIS9 (x2) //3797	CW	(JPL)
5644	M89	9-7	2102	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	9-7	2102	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
9131	M89	10-7	1006	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	10-7	1006	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10180	M89	10-7	1008	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
8060	M89	10-7	1010	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5588	M89	10-7	1011	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10640	M89	10-7	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	10-7	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3330	M89	10-7	1113	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	10-7	1115	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
7777	M89	10-7	1117	Fri	i.p. NR 50/CCK CK 30 59 0710 1930 RMKS 2 (see N&O 214)	CW	(JPL)
6840	M89	10-7	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	10-7	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
8073	M89	10-7	1138	Fri	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
3330	M89	10-7	1603	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	10-7	1605	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	10-7	1605	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	10-7	1606	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	10-7	1606	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	10-7	1607	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	10-7	1607	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
6840	M89	10-7	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	10-7	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	10-7	1810	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	10-7	1811	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	10-7	1811	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	10-7	1812	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	10-7	1812	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3821	M89	10-7	1813	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	10-7	1813	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
6840	M89	10-7	1820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	10-7	1820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
9131	M89	11-7	0244	Sat	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	11-7	0244	Sat	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	11-7	0904	Sat	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	11-7	0904	Sat	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
3330	M89	11-7	1611	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	11-7	1612	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	11-7	1612	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	11-7	1614	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	11-7	1614	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	11-7	1615	Sat	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6840	M89	11-7	1620	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	11-7	1620	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10947	M89	11-7	2357	Sat	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	11-7	2357	Sat	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
3777	M89	12-7	1323	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3330	M89	12-7	1326	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3610	M89	12-7	1330	Sun	i.p. MSG NR 0010 CK 1714 92 0712 2115 =	CW	(JPL)
4860	M89	12-7	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	12-7	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	12-7	1521	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	12-7	1522	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3777	M89	12-7	1525	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	12-7	1526	Sun	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	12-7	1526	Sun	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
8888	M89	12-7	1530	Sun	i.p. MSG M P 9N MSG NU MSG NR 01 CK 30 5AT7AUU	CW	(JPL)
3330	M89	12-7	1641	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10947	M89	13-7	1114	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	13-7	1114	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10640	M89	13-7	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	13-7	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8073	M89	13-7	1139	Mon	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
3330	M89	13-7	1509	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	13-7	1511	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	13-7	1511	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
4532	M89	13-7	1513	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	13-7	1513	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	13-7	1515	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5555	M89	13-7	1518	Mon	i.p. AGN DE CYA4 WA Q. AA .AQ DE CYA4 K (see N&O 214)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
6840	M89	13-7	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	13-7	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	13-7	1728	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	13-7	1729	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	13-7	1729	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5644	M89	13-7	1732	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	13-7	1833	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5801	M89	13-7	1835	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	13-7	1835	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4532	M89	13-7	1836	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	13-7	1836	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	13-7	1837	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	13-7	1837	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3330	M89	13-7	2034	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	13-7	2035	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	13-7	2035	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
4532	M89	13-7	2036	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	13-7	2036	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	13-7	2037	Mon	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5500	M89	13-7	2039	Mon	V 7NPE (x3) DE QV5B (x2) //N/H	CW	(JPL)
9131	M89	14-7	0017	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	14-7	0017	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
10640	M89	14-7	0020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	14-7	0020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8073	M89	14-7	0022	Tue	i.p. 3D4 4DT 4D6 TU6 (see N&O 214)	CW	(JPL)
10947	M89	14-7	0742	Tue	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	14-7	0742	Tue	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
3330	M89	14-7	1153	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	14-7	1155	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	14-7	1155	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	14-7	1156	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8888	M89	14-7	1200	Tue	i.p. Y NR 941 K. 8T9 849 849 K (seen N&) 214)	CW	(JPL)
3330	M89	14-7	1959	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	14-7	2001	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	14-7	2001	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
4532	M89	14-7	2002	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	14-7	2002	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	14-7	2003	Tue	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	14-7	2003	Tue	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4860	M89	14-7	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	14-7	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
8060	M89	14-7	2232	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	14-7	2233	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8073	M89	15-7	0005	Wed	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
10947	M89	15-7	1018	Wed	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	15-7	1018	Wed	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10640	M89	15-7	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	15-7	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8060	M89	15-7	1022	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6793	M89	15-7	1022	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
5588	M89	15-7	1024	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	15-7	1125	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	15-7	1127	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
8073	M89	15-7	1136	Wed	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
3330	M89	15-7	1848	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	15-7	1849	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	15-7	1849	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	15-7	1850	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	15-7	1851	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	15-7	1911	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	15-7	1915	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
3777	M89	15-7	1916	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3821	M89	15-7	2102	Wed	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3642	M89	15-7	2104	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10947	M89	16-7	1012	Thu	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	16-7	1012	Thu	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
8060	M89	16-7	1015	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6793	M89	16-7	1015	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
10640	M89	16-7	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	16-7	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
5588	M89	16-7	1027	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3330	M89	16-7	1109	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
5644	M89	16-7	1110	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4532	M89	16-7	1111	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	16-7	1111	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
10180	M89	16-7	1113	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10640	M89	16-7	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	16-7	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8073	M89	16-7	1130	Thu	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
3330	M89	16-7	2029	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	16-7	2030	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	16-7	2030	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3777	M89	16-7	2031	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	16-7	2031	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	16-7	2032	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	16-7	2032	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
10640	M89	17-7	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	17-7	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10947	M89	17-7	0925	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	17-7	0925	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5588	M89	17-7	0929	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
8762	M89	17-7	1023	Fri	DE DP91 CL K	CW	(JPL)
10558	M89	17-7	1024	Fri	i.p. DADU 7NNT 3T..	CW	(JPL)
10180	M89	17-7	1028	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	17-7	1028	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3330	M89	17-7	1138	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
8073	M89	17-7	1139	Fri	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
10947	M89	17-7	1147	Fri	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	17-7	1147	Fri	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
5644	M89	17-7	1148	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5177	M89	17-7	1254	Fri	V DKDJ (x3) DE SLBC (x2) (Cont'd) Sending DKDJ vice the usual JKDJ	CW	(JPL)
3777	M89	17-7	1258	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	17-7	1258	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	17-7	1259	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	17-7	1259	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3642	M89	17-7	1858	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	17-7	1858	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4626	M89	17-7	1914	Fri	i.p. 36T6 3A67 U4AU AUUT 34ND 5437	CW	(JPL)
6840	M89	17-7	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	17-7	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	17-7	2126	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	17-7	2127	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	17-7	2127	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3821	M89	17-7	2130	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	17-7	2130	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
10640	M89	17-7	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	17-7	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
5801	M89	18-7	0143	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	18-7	0143	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
9131	M89	18-7	0147	Sat	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	18-7	0147	Sat	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
8828	M89	18-7	0204	Sat	i.p. R QSL 1004 K. FF NR 0258/EX 1005 = A0B/CD1 AR K R	CW	(JPL)
6825	M89	18-7	0207	Sat	DP2691 QSA2 NIL DP8091 QSA2 NIL (see N&O 214)	CW	(JPL)
5801	M89	18-7	0653	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
10180	M89	18-7	0653	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
8073	M89	18-7	1203	Sat	i.p. NR -608 CK 120 35 0718 1647 = (see N&O 214)	CW	(JPL)
6840	M89	18-7	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	18-7	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	18-7	1223	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	18-7	1224	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	18-7	1224	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3821	M89	18-7	1225	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	18-7	1225	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
10180	M89	18-7	1228	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	18-7	1228	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3330	M89	18-7	1508	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
7602	M89	18-7	1510	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	18-7	1510	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3777	M89	18-7	1511	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	18-7	1511	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	18-7	1512	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	18-7	1512	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
6840	M89	18-7	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	18-7	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4131	M89	18-7	1524	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
5067	M89	18-7	1527	Sat	i.p. 6D4T A737 NTU3 7NT4 6TA5 7U63 3A6D 343U III =	CW	(JPL)
4131	M89	18-7	1705	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4860	M89	18-7	2120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	18-7	2120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	18-7	2127	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	18-7	2128	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	18-7	2129	Sat	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	18-7	2130	Sat	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	18-7	2130	Sat	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
3777	M89	18-7	2132	Sat	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
10947	M89	19-7	0039	Sun	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	19-7	0039	Sun	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
7602	M89	19-7	0046	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10971	M89	19-7	0049	Sun	i.p. TAN5 43.. A7A. .A34 A.3U 7AU4 D3TU III = N6T5 N353 U5A6 ATUD ...	CW	(JPL)
6825	M89	19-7	0158	Sun	CQ (x3) DE DP91 (x2) V //8948	CW	(JPL)
8948	M89	19-7	0159	Sun	CQ (x3) DE DP91 (x2) V (see N&O 214) //6825	CW	(JPL)
10947	M89	19-7	0917	Sun	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
9131	M89	19-7	0917	Sun	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
6840	M89	19-7	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	19-7	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10180	M89	19-7	0933	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	19-7	0933	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	19-7	0945	Sun	VV HR SVC GA NR 266 1730 RMKS 6805 TO 6665 /6845 = (see N&O 214) //5801	CW	(JPL)
8948	M89	19-7	1000	Sun	CQ (x3) DE DP91 (x2) V (see N&O 214) //6825	CW	(JPL)
6825	M89	19-7	1000	Sun	CQ (x3) DE DP91 (x2) V //8948	CW	(JPL)
8948	M89	19-7	1308	Sun	CQ (x3) DE DP91 (x2) V (see N&O 214) //6825	CW	(JPL)
5177	M89	19-7	1326	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
10180	M89	19-7	1327	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	19-7	1327	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
3330	M89	19-7	1328	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3777	M89	19-7	1329	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	19-7	1329	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
5644	M89	19-7	1331	Sun	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	19-7	1331	Sun	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5566	M89	19-7	1340	Sun	i.p. T366 6466 666 3TA 67 AR	CW	(JPL)
6987	M89	19-7	1347	Sun	i.p. 7DNT A3U5 6D74 UT76 4NA3 D536 N47D III =	CW	(JPL)
4131	M89	19-7	1503	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
7602	M89	19-7	1504	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
6825	M89	19-7	1508	Sun	i.p. NIL SK GB	CW	(JPL)
4131	M89	19-7	1956	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
9131	M89	20-7	0902	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
10947	M89	20-7	0902	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
7582	M89	20-7	0905	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6793	M89	20-7	0907	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5588	M89	20-7	0909	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10640	M89	20-7	0920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	20-7	0920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10180	M89	20-7	0929	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	20-7	0929	Mon	= CL/1800/Z60/6845/6207 AR QSL ? K HR WK NR 100 //10180	CW	(JPL)
6825	M89	20-7	1002	Mon	CQ (x3) DE DP91 (x2) V (see N&O 214) //8948	CW	(JPL)
8060	M89	20-7	1114	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
6793	M89	20-7	1114	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
3330	M89	20-7	1116	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	20-7	1118	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
10640	M89	20-7	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	20-7	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
8073	M89	20-7	1139	Mon	V BNGC (x3) DE XSV85 (x2)	CW	(JPL)
3330	M89	20-7	1346	Mon	i.p. TN3D N67D III = 6TDU III = U6TN D6U6 3AT7 (Cont'd)	CW	(JPL)
5801	M89	20-7	1356	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	20-7	1356	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
3777	M89	20-7	1357	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	20-7	1358	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	20-7	1358	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5500	M89	20-7	1400	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
7777	M89	20-7	1401	Mon	i.p. QSA 4 QSA ? K 7G NR 013/CCK CK CK 50 48 0720 .200 RMKS 2779 TO 277. =	CW	(JPL)
7602	M89	20-7	1410	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
3642	M89	20-7	1410	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
3610	M89	20-7	1411	Mon	VV SQU8 DE IJV8 K. VV CJO3 DE IJV8 K. VV JX8C DE IJV8 K	CW	(JPL)
4131	M89	22-7	1637	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
3330	M89	22-7	1639	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	22-7	1642	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	22-7	1642	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4532	M89	22-7	1645	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	22-7	1646	Wed	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	22-7	1646	Wed	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3330	M89	23-7	1204	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	23-7	1207	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
4532	M89	23-7	1209	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
5644	M89	23-7	1210	Thu	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5801	M89	23-7	1216	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	23-7	1216	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
6840	M89	23-7	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	23-7	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4532	M89	23-7	1334	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	23-7	1334	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
5644	M89	23-7	1335	Thu	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	23-7	1335	Thu	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5801	M89	23-7	1357	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	23-7	1357	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4131	M89	23-7	1426	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
8948	M89	24-7	0202	Fri	CQ (x3) DE DP91 (x2) V //6825	CW	(JPL)
6825	M89	24-7	0202	Fri	CQ (x3) DE DP91 (x2) V (see N&O 214) //8948	CW	(JPL)
5801	M89	24-7	0227	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	24-7	0227	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
8073	M89	24-7	1136	Fri	V BNGC (x3) DE XSV85 (x2) (see N&O 2014)	CW	(JPL)
10180	M89	24-7	1153	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
5644	M89	24-7	1154	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
4532	M89	24-7	1155	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	24-7	1155	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
3330	M89	24-7	1159	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3330	M89	24-7	1313	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	24-7	1315	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	24-7	1315	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
3821	M89	24-7	1316	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	24-7	1316	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
6840	M89	24-7	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	24-7	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3642	M89	24-7	1441	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	24-7	1441	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4532	M89	27-7	1619	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	27-7	1619	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
6840	M89	27-7	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	27-7	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5644	M89	27-7	1622	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	27-7	1622	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4225	M89	27-7	1625	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
3330	M89	27-7	1627	Mon	i.p. U3DA D3T5 A6N7 III = AN7D 6T6D (Cont'd) III 3UA6	CW	(JPL)
3330	M89	27-7	1818	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
10180	M89	27-7	1819	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	27-7	1819	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
6840	M89	27-7	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	27-7	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3777	M89	27-7	1822	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4532	M89	27-7	1822	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
4225	M89	27-7	1823	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
5644	M89	27-7	1824	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
3821	M89	27-7	1824	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
4720	M89	27-7	1830	Mon	V WNF DE FXM VV WNF DE FXM QSA ? QSA K	CW	(JPL)
3330	M89	27-7	2018	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4532	M89	27-7	2019	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	27-7	2019	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
4860	M89	27-7	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	27-7	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3821	M89	27-7	2022	Mon	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	27-7	2022	Mon	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
5801	M89	27-7	2023	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
10180	M89	27-7	2023	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
4131	M89	27-7	2026z	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
4720	M89	27-7	2030	Mon	V WNF DE FXM VV WNF DE FXM QSA ? QSV K	CW	(JPL)
5588	M89	27-7	2300	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4225	M89	27-7	2303	Mon	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
6793	M89	27-7	2304	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
8060	M89	27-7	2304	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
10180	M89	27-7	2305	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
9131	M89	27-7	2306	Mon	V DKSL (x3) DE ALSK (x2) //10947	CW	(JPL)
10947	M89	27-7	2306	Mon	V DKSL (x3) DE ALSK (x2) //9131	CW	(JPL)
6840	M89	27-7	2320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	27-7	2320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	28-7	1132	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
6793	M89	28-7	1134	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
8073	M89	28-7	1135	Tue	V BNGC (x3) DE XSV85 (x2) (see N&O 214)	CW	(JPL)
5644	M89	28-7	1150	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
5555	M89	28-7	1153	Tue	UAU6 A4U6 NT7A D67T 7A4T U34A N6A4 1A40 05 05 05	CW	(JPL)
4532	M89	28-7	1337	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
3777	M89	28-7	1337	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
10180	M89	28-7	1339	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
5801	M89	28-7	1339	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
5644	M89	28-7	1341	Tue	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
3330	M89	31-7	2046	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
3642	M89	31-7	2049	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
7602	M89	31-7	2049	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
4532	M89	31-7	2051	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
3821	M89	31-7	2052	Fri	V DKSL (x3) DE ALSK (x2) //5644	CW	(JPL)
5644	M89	31-7	2052	Fri	V DKSL (x3) DE ALSK (x2) //3821	CW	(JPL)
8073	M89v	15-7	0020	Wed	XSV85 msg to BNGC: bian-hai bian-hao zi-1449 ... 14909 04139 35 (see N&O 214)	USB	(JPL-Sib)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
8073	M89v	16-7	1130	Thu	XSV85 clg BNGC	USB	(JPL-Sib)
8073	M89v	16-7	1150	Thu	XSV85 msg to BNGC	USB	(JPL-Sib)
8073	M89v	18-7	1215	Sat	Switched to USB voice after morse messages. Probably XSV85	USB	(AB)
8073	M89v	25-7	1023	Sat	XSV85 msg to BNGC	USB	(AB)
10872	MX	6-7	1940	Mon	Beacon "C"	CW	(AB)
10871.9	MX	6-7	1940	Mon	Beacon "S"	CW	(AB)
4150	MX	6-7	1945	Mon	Beacon "V"	CW	(AB)
8497.8	MX	6-7	1947	Mon	Beacon "L"	CW	(AB)
7508.8	MX	6-7	1948	Mon	Beacon "D"	CW	(AB)
13527.9	MX	6-7	1954	Mon	Beacon "S"	CW	(AB)
13527.8	MX	6-7	1954	Mon	Beacon "D"	CW	(AB)
16331.8	MX	6-7	1956	Mon	Beacon "D"	CW	(AB)
16332	MX	6-7	1956	Mon	Beacon "C"	CW	(AB)
20048	MX	6-7	1956	Mon	Beacon "C"	CW	(AB)
5153.8	MX	6-7	1958	Mon	Beacon "D"	CW	(AB)
7508.7	MX	13-7	0537	Mon	Beacon "D" Sevastopol	CW	(AB)
7508.7	MX	13-7	1927	Mon	Beacon "D" Sevastopol	CW	(AB)
8497.8	MX	13-7	1928	Mon	Beacon "L"	CW	(AB)
8497.8	MX	16-7	1634	Thu	Beacon "L"	CW	(AB)
10872	MX	16-7	1648	Thu	Beacon "C" Moscow	CW	(AB)
10871.7	MX	16-7	1648	Thu	Beacon "D" Sevastopol	CW	(AB)
10871.9	MX	16-7	1648	Thu	Beacon "S" Sevoromorsk	CW	(AB)
7508.7	MX	16-7	1649	Thu	Beacon "D" Sevastopol	CW	(AB)
7508.9	MX	16-7	1649	Thu	Beacon "S" Sevoromorsk	CW	(AB)
8497.8	MX	20-7	1922	Mon	Beacon "L"	CW	(AB)
4150	MX	20-7	1923	Mon	Beacon "V"	CW	(AB)
4150	MX	21-7	2016	Tue	Beacon "V"	CW	(AB)
4150	MX	28-7	1943	Tue	Beacon "V"	CW	(AB)
7508.9	MX	28-7	1944	Tue	Beacon "S"	CW	(AB)
8497.8	MX	28-7	1944	Tue	Beacon "L"	CW	(AB)
8494.7	MX	28-7	1944	Tue	Beacon "D"	CW	(AB)
8494.9	MX	28-7	1944	Tue	Beacon "S"	CW	(AB)
7508.7	MX	28-7	1944	Tue	Beacon "D"	CW	(AB)
10871.9	MX	28-7	1945	Tue	Beacon "S"	CW	(AB)
5153.7	MX	28-7	1945	Tue	Beacon "D"	CW	(AB)
10872	MX	28-7	1945	Tue	Beacon "C"	CW	(AB)
5153.9	MX	28-7	1945	Tue	Beacon "S"	CW	(AB)
16331.7	MX	28-7	1946	Tue	Beacon "D"	CW	(AB)
16331.9	MX	28-7	1946	Tue	Beacon "S"	CW	(AB)
13528	MX	28-7	1946	Tue	Beacon "C"	CW	(AB)
13527.7	MX	28-7	1946	Tue	Beacon "D"	CW	(AB)
4150	MX	29-7	2034	Wed	Beacon "V"	CW	(AB)
8497.8	MX	29-7	2036	Wed	Beacon "L"	CW	(AB)
8497.8	MX	31-7	2017	Fri	Beacon "L"	CW	(AB)
13537	POL	1-7	0530	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13537	POL	1-7	0535	Wed	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	1-7	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13424	POL	1-7	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	1-7	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
7837	POL	1-7	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/625	(AB)
13470	POL	2-7	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	2-7	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	2-7	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14940	POL	2-7	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	2-7	0800	Thu	Polish Intel.	FSK 100/740	(AB)
6480	POL	2-7	0805	Thu	Polish Intel.	FSK 100/740	(AB)
16388	POL	2-7	1005	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	2-7	1305	Thu	0437 88888 88888 15670 76919 49999 ... 66862 38300 44859 88888 88888 00036	FSK 100/740	(AB)
7727	POL	2-7	1310	Thu	0437 88888 88888 15670 76919 49999 ... 66862 38300 44859 88888 88888 00036	FSK 100/740	(AB)
13537	POL	3-7	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13537	POL	3-7	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	3-7	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	3-7	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	3-7	0815	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	3-7	0820	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	3-7	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	3-7	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	3-7	1405	Fri	0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042	FSK 100/740	(AB)
14972	POL	3-7	1410	Fri	0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042	FSK 100/740	(AB)
7727	POL	5-7	1305	Sun	0437 88888 88888 15670 76919 49999 ... 66862 38300 44859 88888 88888 00036	FSK 100/740	(AB)
7727	POL	5-7	1310	Sun	0437 88888 88888 15670 76919 49999 ... 66862 38300 44859 88888 88888 00036	FSK 100/740	(AB)
14972	POL	5-7	1405	Sun	0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042	FSK 100/740	(AB)
14972	POL	5-7	1410	Sun	0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042	FSK 100/740	(AB)
16005	POL	5-7	1425	Sun	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16005	POL	5-7	1430	Sun	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	6-7	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	6-7	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	6-7	0815	Mon	0446 88888 88888 49458 87851 41144 ... 78017 92277 23041 88888 88888 00039	FSK 100/740	(AB)
13046	POL	6-7	0820	Mon	0446 88888 88888 49458 87851 41144 ... 78017 92277 23041 88888 88888 00039	FSK 100/740	(AB)
13424	POL	6-7	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	6-7	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	6-7	1305	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	6-7	1310	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	7-7	0630	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	7-7	0635	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	7-7	0655	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	7-7	0700	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
8423	POL	7-7	0900	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	7-7	0905	Tue	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	7-7	1005	Tue	0675 88888 88888 20064 06157 82110 ... 90412 32522 88888 88888 00041 00041	FSK 100/740	(AB)
12067	POL	7-7	1010	Tue	0675 88888 88888 20064 06157 82110 ... 90412 32522 88888 88888 00041 00041	FSK 100/740	(AB)
10210	POL	7-7	1035	Tue	i.p. Polish Intel.	FSK 100/740	(AB)
8456	POL	8-7	0300	Wed	0231 88888 88888 98302 68712 ... 41740 44669 85164 88888 88888 00037 00037	FSK 100/740	(AB)
8456	POL	8-7	0305	Wed	0231 88888 88888 98302 68712 ... 41740 44669 85164 88888 88888 00037 00037	FSK 100/740	(AB)
13424	POL	8-7	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	8-7	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	8-7	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	8-7	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8456	POL	9-7	0300	Thu	0231 88888 88888 98302 68712 65531 ... 41740 44669 85164 88888 88888 00037 00037	FSK 100/740	(AB)
8456	POL	9-7	0305	Thu	0231 88888 88888 98302 68712 65531 ... 41740 44669 85164 88888 88888 00037 00037	FSK 100/740	(AB)
13470	POL	9-7	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	9-7	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	9-7	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	9-7	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	9-7	1000	Thu	0765 88888 88888 53197 01948 10104 ... 95651 21143 42517 88888 88888 00038 00038	FSK 100/740	(AB)
16388	POL	9-7	1005	Thu	0765 88888 88888 53197 01948 10104 ... 95651 21143 42517 88888 88888 00038 00038	FSK 100/740	(AB)
7727	POL	9-7	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	9-7	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13537	POL	10-7	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13537	POL	10-7	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	10-7	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	10-7	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	10-7	0815	Fri	0446 88888 88888 49458 87851 41144 ... 78017 92277 23041 88888 88888 00039 00039	FSK 100/740	(AB)
13046	POL	10-7	0820	Fri	0446 88888 88888 49458 87851 41144 ... 78017 92277 23041 88888 88888 00039 00039	FSK 100/740	(AB)
8423	POL	10-7	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	10-7	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	10-7	1005	Fri	0675 88888 88888 20064 06157 82110 ... 90412 32522 88888 88888 00041 00041	FSK 100/740	(AB)
12067	POL	10-7	1010	Fri	0675 88888 88888 20064 06157 82110 ... 90412 32522 88888 88888 00041 00041	FSK 100/740	(AB)
14972	POL	10-7	1405	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	10-7	1410	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	12-7	1305	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	12-7	1310	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	12-7	1405	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	12-7	1410	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
16112	POL	12-7	1610	Sun	Polish Intel.	FSK 100/740	(AB)
16112	POL	12-7	1615	Sun	Polish Intel.	FSK 100/740	(AB)
6480	POL	13-7	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	13-7	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	13-7	1305	Mon	0547 88888 88888 33310 20396 81874 ... 12848 08028 57578 88888 88888 00038	FSK 100/740	(AB)
7837	POL	13-7	1310	Mon	0547 88888 88888 33310 20396 81874 ... 12848 08028 57578 88888 88888 00038	FSK 100/740	(AB)
13470	POL	14-7	0630	Tue	0574 88888 88888 15377 37417 43097 ... 43800 67018 73221 88888 88888 00039	FSK 100/740	(AB)
13470	POL	14-7	0635	Tue	0574 88888 88888 15377 37417 43097 ... 43800 67018 73221 88888 88888 00039	FSK 100/740	(AB)
14940	POL	14-7	0730	Tue	0433 88888 88888 31462 75971 60391 ... 65885 93824 23291 88888 88888 00037	FSK 100/740	(AB)
14940	POL	14-7	0735	Tue	0433 88888 88888 31462 75971 60391 ... 65885 93824 23291 88888 88888 00037	FSK 100/740	(AB)
8423	POL	14-7	0900	Tue	0554 88888 88888 16268 81728 36293 ... 94233 23217 86231 88888 88888 00034	FSK 100/740	(AB)
8423	POL	14-7	0905	Tue	0554 88888 88888 16268 81728 36293 ... 94233 23217 86231 88888 88888 00034	FSK 100/740	(AB)
12067	POL	14-7	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	14-7	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
10210	POL	14-7	1030	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
10210	POL	14-7	1035	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
15690	POL	14-7	1245	Tue	0132 0132 0132 0132 0132 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
15690	POL	14-7	1250	Tue	0132 0132 0132 0132 0132 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8456	POL	15-7	0300	Wed	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8456	POL	15-7	0305	Wed	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	15-7	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	15-7	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16112	POL	15-7	1610	Wed	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16112	POL	15-7	1615	Wed	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8456	POL	16-7	0300	Thu	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8456	POL	16-7	0305	Thu	0231 0231 0231 0231 0231 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	16-7	0630	Thu	0574 88888 88888 15377 37417 3097 ... 43800 67018 73221 88888 88888 00039	FSK 100/740	(AB)
13470	POL	16-7	0635	Thu	0574 88888 88888 15377 37417 3097 ... 43800 67018 73221 88888 88888 00039	FSK 100/740	(AB)
14940	POL	16-7	0730	Thu	0433 88888 88888 31462 75971 ... 65885 93824 23291 88888 88888 00037 00037	FSK 100/740	(AB)
14940	POL	16-7	0735	Thu	0433 88888 88888 31462 75971 ... 65885 93824 23291 88888 88888 00037 00037	FSK 100/740	(AB)
6480	POL	16-7	0800	Thu	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	16-7	0805	Thu	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	16-7	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	16-7	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	17-7	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14575	POL	17-7	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	17-7	0815	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	17-7	0820	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	17-7	0900	Fri	0554 88888 88888 16268 81728 36293 ... 94233 23217 86231 88888 88888 00034 00034	FSK 100/740	(AB)
8423	POL	17-7	0905	Fri	0554 88888 88888 16268 81728 36293 ... 94233 23217 86231 88888 88888 00034 00034	FSK 100/740	(AB)
12067	POL	17-7	1005	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	17-7	1010	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	17-7	1405	Fri	0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042 00042	FSK 100/740	(AB)
14972	POL	17-7	1410	Fri	0877 88888 88888 89772 88129 63913 ... 21816 81202 72906 88888 88888 00042 00042	FSK 100/740	(AB)
7727	POL	19-7	1305	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	19-7	1305	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	19-7	1310	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	19-7	1310	Sun	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16005	POL	19-7	1525	Sun	Polish Intel.	FSK 100/740	(AB)
16005	POL	19-7	1530	Sun	Polish Intel.	FSK 100/740	(AB)
16112	POL	19-7	1610	Sun	Polish Intel.	FSK 100/740	(AB)
16112	POL	19-7	1615	Sun	Polish Intel.	FSK 100/740	(AB)
6480	POL	20-7	0800	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	20-7	0805	Mon	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	20-7	0820	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	20-7	0825	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	20-7	1000	Mon	0765 0765 0763765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	20-7	1005	Mon	0765 0765 0763765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	20-7	1305	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	20-7	1310	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16005	POL	20-7	1525	Mon	Polish Intel.	FSK 100/740	(AB)
13470	POL	21-7	0630	Tue	0574 0574 0574 0574 0754 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	21-7	0635	Tue	0574 0574 0574 0574 0754 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	21-7	0655	Tue	0684 88888 88888 97512 85845 49986 ... 66497 68513 63149 88888 88888 00041 00041	FSK 100/740	(AB)
14575	POL	21-7	0700	Tue	0684 88888 88888 97512 85845 49986 ... 66497 68513 63149 88888 88888 00041 00041	FSK 100/740	(AB)
13424	POL	22-7	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	22-7	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
15690	POL	22-7	1245	Wed	Polish Intel.	FSK 100/740	(AB)
15690	POL	22-7	1250	Wed	Polish Intel.	FSK 100/740	(AB)
7837	POL	22-7	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	22-7	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16112	POL	22-7	1610	Wed	Polish Intel.	FSK 100/740	(AB)
16112	POL	22-7	1615	Wed	Polish Intel.	FSK 100/740	(AB)

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13470	POL	23-7	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 0000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	23-7	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 0000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	23-7	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	23-7	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	23-7	0800	Thu	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	23-7	0805	Thu	0434 0434 0434 0434 0434 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	23-7	1000	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	23-7	1005	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	23-7	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	23-7	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13537	POL	24-7	0530	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13537	POL	24-7	0535	Fri	0453 0453 0453 0453 0453 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	24-7	0655	Fri	0684 88888 88888 97512 85845 49986 ... 66497 68513 63149 88888 88888 00041 00041	FSK 100/740	(AB)
14575	POL	24-7	0700	Fri	0684 88888 88888 97512 85845 49986 ... 66497 68513 63149 88888 88888 00041 00041	FSK 100/740	(AB)
13046	POL	24-7	0815	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	24-7	0820	Fri	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	24-7	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	24-7	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	24-7	1005	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	24-7	1010	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	24-7	1405	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14972	POL	24-7	1410	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	26-7	1305	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	26-7	1310	Sun	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16005	POL	26-7	1525	Sun	Polish Intel.	FSK 100/740	(AB)
16005	POL	26-7	1530	Sun	Polish Intel.	FSK 100/740	(AB)
16112	POL	26-7	1610	Sun	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16112	POL	26-7	1615	Sun	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
6480	POL	27-7	0800	Mon	0434 88888 88888 53258 36690 84154 ... 29802 70222 63563 88888 88888 00039 00039	FSK 100/740	(AB)
6480	POL	27-7	0805	Mon	0434 88888 88888 53258 36690 84154 ... 29802 70222 63563 88888 88888 00039 00039	FSK 100/740	(AB)
13046	POL	27-7	0815	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13046	POL	27-7	0820	Mon	0446 0446 0446 0446 0446 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	27-7	0845	Mon	0353 88888 88888 14522 24863 62437 ... 73076 30011 13514 88888 88888 00037 00037	FSK 100/740	(AB)
13424	POL	27-7	0850	Mon	0353 88888 88888 14522 24863 62437 ... 73076 30011 13514 88888 88888 00037 00037	FSK 100/740	(AB)

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16388	POL	27-7	1000	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	27-7	1005	Mon	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	27-7	1305	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	27-7	1310	Mon	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16005	POL	27-7	1525	Mon	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16005	POL	27-7	1530	Mon	0221 0221 0221 0221 0221 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	28-7	0630	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	28-7	0635	Tue	0574 0574 0574 0574 0574 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14557	POL	28-7	0655	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14557	POL	28-7	0700	Tue	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	28-7	0730	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	28-7	0735	Tue	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	28-7	1005	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	28-7	1010	Tue	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
10210	POL	28-7	1030	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
10210	POL	28-7	1035	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13424	POL	29-7	0845	Wed	0353 88888 88888 14522 24863 62437 ... 73076 30011 13514 88888 88888 00037 00037	FSK 100/740	(AB)
13424	POL	29-7	0850	Wed	0353 88888 88888 14522 24863 62437 ... 73076 30011 13514 88888 88888 00037 00037	FSK 100/740	(AB)
15690	POL	29-7	1245	Wed	0132 88888 88888 27003 27161 33463 ... 14183 16514 92657 88888 88888 00035 00035	FSK 100/740	(AB)
15690	POL	29-7	1250	Wed	0132 88888 88888 27003 27161 33463 ... 14183 16514 92657 88888 88888 00035 00035	FSK 100/740	(AB)
7837	POL	29-7	1305	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7837	POL	29-7	1310	Wed	0547 0547 0547 0547 0547 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16112	POL	29-7	1610	Wed	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16112	POL	29-7	1615	Wed	0797 0797 0797 0797 0797 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	30-7	0630	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 0000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13470	POL	30-7	0635	Thu	0574 0574 0574 0574 0574 00000 00000 00000 00000 0000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	30-7	0730	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14940	POL	30-7	0735	Thu	0433 0433 0433 0433 0433 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	30-7	1000	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
16388	POL	30-7	1005	Thu	0765 0765 0765 0765 0765 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	30-7	1305	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
7727	POL	30-7	1310	Thu	0437 0437 0437 0437 0437 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
13537	POL	31-7	0530	Fri	0453 88888 88888 41988 45614 77904 ... 06944 25088 00923 88888 88888 00035 00035	FSK 100/740	(AB)
13537	POL	31-7	0535	Fri	0453 88888 88888 41988 45614 77904 ... 06944 25088 00923 88888 88888 00035 00035	FSK 100/740	(AB)

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14575	POL	31-7	0655	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 60000 00000 00000 00000	FSK 100/740	(AB)
14575	POL	31-7	0700	Fri	0684 0684 0684 0684 0684 00000 00000 00000 00000 00000 00000 60000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	31-7	0900	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
8423	POL	31-7	0905	Fri	0554 0554 0554 0554 0554 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	31-7	1005	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
12067	POL	31-7	1010	Fri	0675 0675 0675 0675 0675 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14975	POL	31-7	1405	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
14075	POL	31-7	1410	Fri	0877 0877 0877 0877 0877 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/740	(AB)
15721	S06	2-7	0400	Thu	480 297 50 58849 00194 74972 ... 63009 69537 86265 297 50 00000	USB	(AB/HFD)
8167	S06	4-7	1600	Sat	491 0	USB	(HFD)
7321	S06	5-7	1900	Sun	738 126 47 56472 84378 68274 ... 84418 04803 37078 126 47 00000	USB	(AB/toto)
15721	S06	9-7	0400	Thu	480 636 50 (unreadable)	USB	(AB)
8167	S06	11-7	1600	Sat	491 0	USB	(HFD)
7321	S06	18-7	1900	Sat	738 738 738 00000	USB	(AB)
15721	S06	20-7	0400	Mon	480 169 50 98599 65191 91752 ... 99629 96240 18955 169 50 00000	USB	(AB)
9655	S06a	24-7	0940	Fri	516 239 7 88623 58069 61732 74547 57440 26371 52715 239 7 00000	USB	(AB)
11565	S06s	1-7	0530	Wed	464 917 5 20529 80749 03752 76367 84777 917 5 00000	USB	(AB)
11565	S06s	1-7	0530	Wed	464 917 5 20529 80749 03752 76367 84777 917 5 00000	USB	(AB)
12560	S06s	1-7	0540	Wed	464 917 5 20529 80749 03752 76367 84777 917 5 00000	USB	(AB)
12110	S06s	1-7	0730	Wed	745 916 8 11909 44056 83104 55996 85756 99566 57801 94443 916 8 00000	AM	(AB)
14977	S06s	1-7	0740	Wed	745 916 8 11909 44056 83104 55996 85756 99566 57801 94443 916 8 00000	AM	(AB)
9485	S06s	1-7	0820	Wed	471 928 5 63914 55183 90373 63820 17834 928 5 00000	USB	(AB)
14580	S06s	1-7	1000	Wed	729 456 8 62159 85689 57708 29853 28328 15785 93992 73661 456 8 00000	AM	(AB)
16020	S06s	1-7	1010	Wed	729 456 8 62159 85689 57708 29853 28328 15785 93992 73661 456 8 00000	USB	(AB)
16020	S06s	1-7	1010	Wed	729 456 8 62159 85689 57708 29853 28328 15785 93992 73661 456 8 00000	AM	(AB)
12952	S06s	2-7	0900	Thu	167 483 5 76423 96867 62483 62500 75237 483 500000	USB	(AB)
7161	S06s	2-7	0910	Thu	624 903 5 31084 92096 58781 62106 27361 903 5 00000	USB	(AB)
10325	S06s	2-7	0940	Thu	314 528 6 41645 35709 36414 49790 32528 45764 528 6 00000	USB	(AB)
13145	S06s	2-7	1200	Thu	425 973 6 49294 38064 31724 37324 39316 92450 973 6 00000	USB	(AB)
7845	S06s	3-7	0600	Fri	196 275 8 37034 37823 38230 42257 38702 44520 46992 31373 275 8 00000	USB	(AB)
9125	S06s	3-7	0610	Fri	196 275 8 37034 37823 38230 42257 38702 44520 46992 31373 275 8 00000	USB	(AB)
12165	S06s	6-7	1210	Mon	831 920 5 67286 74059 72532 59526 30430 920 5 00000	USB	(AB)
15945	S06s	7-7	0600	Tue	438 520 6 72137 49837 36685 99735 50325 29933 520 6 00000	AM	(AB)
16945	S06s	7-7	0610	Tue	438 520 6 72137 49837 36685 99735 50325 29933 520 6 00000	AM	(AB)
6810	S06s	7-7	1100	Tue	754 too weak to copy	USB	(AB)
7560	S06s	7-7	1110	Tue	754 807? too weak to copy	USB	(AB)
12560	S06s	8-7	0540	Wed	464 917 5 67590 46738 99075 58831 00900 917 5 00000	USB	(AB)
14580	S06s	8-7	1000	Wed	729 456 8 62159 85689 57708 29853 28328 15785 93992 73661 456 8 00000	AM	(AB)
16020	S06s	8-7	1010	Wed	729 456 8 62159 85689 57708 29853 28328 15785 93992 73661 456 8 00000	AM	(AB)
12952	S06s	9-7	0900	Thu	167 483 5 76423 96867 62483 62500 75237 483 5 00000	AM	(AB/HFD)
7161	S06s	9-7	0910	Thu	624 903 5 31083 92096 58781 62106 27361 903 5 00000	USB	(AB)
13565	S06s	9-7	0910	Thu	167 483 5 76423 96867 62483 62500 75237 483 5 00000	AM	(AB/HFD)
9255	S06s	9-7	0930	Thu	314 528 6 41645 35709 36414 49790 32528 45764 528 6 00000	USB	(AB)
10325	S06s	9-7	0940	Thu	314 528 6 41645 35709 36414 49790 32528 45764 528 6 00000	USB	(AB)
13145	S06s	9-7	1200	Thu	425 973 6 49294 38064 31724 37324 39316 42450 973 6 00000	AM	(AB)
14535	S06s	9-7	1210	Thu	425 973 6 49294 38064 31724 37324 39316 42450 973 6 00000	AM	(AB)
10290	S06s	10-7	0930	Fri	516 249 8 11909 44056 83104 55996 85756 99566 57801 94443 249 8 00000	USB	(AB)
8655	S06s	10-7	0940	Fri	516 249 8 11909 44056 83104 55996 85756 99566 57801 94443 249 8 00000	USB	(AB)
16320	S06s	12-7	0630	Sun	524 918 6 94497	USB	(HFD)
14875	S06s	12-7	0640	Sun	524 918 6 94497	USB	(HFD)
10230	S06s	13-7	1200	Mon	831 920 5 67286 74059 72532 59526 30430 920 5 00000	USB	(AB)
12165	S06s	13-7	1210	Mon	831 920 5 67286 74059 72532 59526 30430 920 5 00000	USB	(AB)
15945	S06s	14-7	0600	Tue	438 520 6 72137 49837 36685 99735 50235 29933 520 6 00000	USB	(AB)
16945	S06s	14-7	0610	Tue	438 520 6 72137 49837 36685 99735 50235 29933 520 6 00000	USB	(AB)
6780	S06s	14-7	0715	Tue	374 280 5 78594 50123 48392 00539 11500 280 5 00000	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
11655	S06s	14-7	0740	Tue	427 503 6 67493 40098 12046 05833 22790 33286 503 6 00000	AM	(AB)
12935	S06s	14-7	0810	Tue	352 498 6 46738 45390 55647 59908 11234 35432 498 6 00000	USB	(AB)
6810	S06s	14-7	1100	Tue	764 809 6 87905 44735 56473 44831 44009 99223 809 6 00000	USB	(AB)
7560	S06s	14-7	1110	Tue	764 809 6 87905 44735 56473 44831 44009 99223 809 6 00000	USB	(AB)
6766	S06s	14-7	1500	Tue	537 480 6 67584 88907 22014 55374 89035 48300 480 6 00000	USB	(AB)
7744	S06s	14-7	1510	Tue	537 480 6 67584 88907 22014 55374 89035 48300 480 6 00000	USB	(AB)
12110	S06s	15-7	0730	Wed	745 216 8 33796 13577 74526 11171 64385 82707 06123 45731 216 8 00000	USB	(AB)
14977	S06s	15-7	0740	Wed	745 216 8 33796 13577 74526 11171 64385 82707 06123 45731 216 8 00000	USB	(AB)
11085	S06s	15-7	0830	Wed	471 928 5 63914 55183 90373 63820 17834 928 5 00000	USB	(AB)
14580	S06s	15-7	1000	Wed	729 503 6 33796 13577 74526 46647 79302 53516 503 6 00000	AM	(AB)
16020	S06s	15-7	1010	Wed	729 503 6 33796 13577 74526 46647 79302 53516 503 6 00000	AM	(AB)
12952	S06s	16-7	0900	Thu	167 249 5 40614 77249 40678 17976 21816 249 5 00000	AM	(AB)
13565	S06s	16-7	0910	Thu	167 249 5 40614 77249 40678 17976 21816 249 5 00000	AM	(AB)
13145	S06s	16-7	1200	Thu	435 978 6 40398 85417 38448 33485 42331 31859 978 6 00000	AM	(AB)
14535	S06s	16-7	1210	Thu	435 978 6 40398 85417 38448 33485 42331 31859 978 6 00000	AM	(AB)
10290	S06s	17-7	0930	Fri	516 239 7 88623 58069 61732 74547 57440 26371 52715 239 7 00000	AM	(AB)
9655	S06s	17-7	0940	Fri	516 239 7 88623 58069 61732 74547 57440 26371 52715 239 7 00000	AM	(AB)
14835	S06s	20-7	0910	Mon	672 961 5 80744 86201 84706 42314 61736 961 5 00000	USB	(AB)
10230	S06s	20-7	1200	Mon	831 924 5 10597 23521 47660 92883 69901 924 5 00000	AM	(AB)
12165	S06s	20-7	1210	Mon	831 924 5 10597 23521 47660 92883 69901 924 5 00000	AM	(AB)
15459	S06s	21-7	0600	Tue	438 260 5 47665 94092 48521 63482 92060 260 5 00000	USB	(AB)
16945	S06s	21-7	0610	Tue	438 260 5 47665 94092 48521 63482 92060 260 5 00000	USB	(AB)
12110	S06s	22-7	0730	Wed	745 216 8 33796 13577 74526 11171 64385 82707 06123 45731 216 8 00000	AM	(AB)
14977	S06s	22-7	0740	Wed	745 216 8 33796 13577 74526 11171 64385 82707 06123 45731 216 8 00000	AM	(AB)
14580	S06s	22-7	1000	Wed	729 503 6 33796 13577 74526 46647 79302 53516 503 6 00000	AM	(AB)
16020	S06s	22-7	1010	Wed	729 503 6 33796 13577 74526 46647 79302 53516 503 6 00000	AM	(AB)
9255	S06s	23-7	0930	Thu	314 902 5 82691 29839 37257 44893 41045 902 5 00000	USB	(AB)
10325	S06s	23-7	0940	Thu	314 902 5 82691 29839 37257 44893 41045 902 5 00000	USB	(AB)
13145	S06s	23-7	1200	Thu	425 978 6 40398 85417 38448 33485 42331 31859 978 6 00000	AM	(AB)
14535	S06s	23-7	1210	Thu	425 978 6 40398 85417 38448 33485 42331 31859 978 6 00000	AM	(AB)
9125	S06s	24-7	0610	Fri	196 470 5 33913 33663 46305 43487 32953 470 5 00000	USB	(AB)
8221	S06s	27-7	0830	Mon	371 425 6 89758 52343 76928 42432 56075 56281 425 6 00000	USB	(AB)
9353	S06s	27-7	0840	Mon	371 425 6 89758 52343 76928 42432 56075 56281 425 6 00000	USB	(AB)
16380	S06s	27-7	0900	Mon	872 961 5 80744 86201 84706 72314 61736 961 5 00000	USB	(AB)
14835	S06s	27-7	0910	Mon	872 961 5 80744 86201 84706 72314 61736 961 5 00000	USB	(AB)
10230	S06s	27-7	1200	Mon	831 924 5 10597 23521 47660 92883 69901 924 5 00000	USB	(AB)
12165	S06s	27-7	1210	Mon	831 924 5 10597 23521 47660 92883 69901 924 5 00000	USB	(AB)
14945	S06s	28-7	0600	Tue	438 260 5 47665 94092 48521 63482 92060 260 5 00000	AM	(AB)
16945	S06s	28-7	0610	Tue	438 260 5 47665 94092 48521 63482 92060 260 5 00000	AM	(AB)
5430	S06s	28-7	0700	Tue	374 901 5 36489 48648 33184 43886 98333 901 5 00000	USB	(AB)
6780	S06s	28-7	0715	Tue	374 901 5 36489 48648 33184 43886 98333 901 5 00000	USB	(AB)
7365	S06s	28-7	0730	Tue	427 910 5 38783 19163 49945 39845 35007 910 5 00000	AM	(AB)
11655	S06s	28-7	0740	Tue	427 910 5 38783 19163 49945 39845 35007 910 5 00000	AM	(AB)
14373	S06s	28-7	0800	Tue	523 408 6 47992 45648 ...	USB	(AB)
12945	S06s	28-7	0810	Tue	523 ...	USB	(AB)
7560	S06s	28-7	1110	Tue	754 203 6 48951 46800 37901 43784 34114 30527 203 6 00000	USB	(AB)
7744	S06s	28-7	1510	Tue	537 829 6 46049 35488 83133 34172 89858 96445 829 6 00000	USB	(AB)
12560	S06s	29-7	0539	Wed	464 464 464 00000 (1 min early)	USB	(AB)
12110	S06s	29-7	0730	Wed	745 745 745 00000	AM	(AB)
14977	S06s	29-7	0740	Wed	745 745 745 00000	AM	(AB)
11085	S06s	29-7	0830	Wed	471 938 6 73910 73772 51738 93033 51369 73829 938 6 00000	AM	(AB)
14580	S06s	29-7	1000	Wed	729 729 729 000	AM	(AB)
16020	S06s	29-7	1010	Wed	729 729 729 000	AM	(AB)
12952	S06s	30-7	0900	Thu	167 167 167 00000	AM	(AB)
6844	S06s	30-7	0900	Thu	624 624 624 00000	USB	(AB)
7161	S06s	30-7	0910	Thu	624 624 624 00000	USB	(AB)
13565	S06s	30-7	0910	Thu	167 167 167 00000	AM	(AB)
9255	S06s	30-7	0930	Thu	314 314 314 00000	USB	(AB)
10325	S06s	30-7	0940	Thu	314 314 314 00000	USB	(AB)
13145	S06s	30-7	1200	Thu	425 425 425 00000	AM	(AB)
14535	S06s	30-7	1210	Thu	425 425 425 00000	AM	(AB)
7845	S06s	31-7	0600	Fri	196 196 196 00000	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
9125	S06s	31-7	0609	Fri	196 196 196 00000 (1 min early)	USB	(AB)
10290	S06s	31-7	0930	Fri	516 516 516 00000	AM	(AB)
9655	S06s	31-7	0940	Fri	516 516 516 00000	AM	(AB)
16530	S11a	2-7	1015	Thu	475/00	USB	(AB)
8530	S11a	3-7	0915	Fri	484/00	USB	(AB)
5149	S11a	7-7	0455	Tue	432/00	USB	(AB)
8530	S11a	7-7	0915	Tue	484/00	USB	(AB)
11581	S11a	7-7	1020	Tue	420/37 Vnimanie 20064 06157 82110 ... 19008 90412 32522 Vnimanie, rpt msg, konec	USB	(AB)
4870	S11a	8-7	1955	Wed	371/00	USB	(AB)
16530	S11a	9-7	1015	Thu	478/34 Vnimanie 53197 01948 10104 ... 95651 21143 42517 Vnimanie, rpt msg, konec	USB	(AB)
11581	S11a	10-7	1020	Fri	420/37 Vnimanie 20064 06157 82110 ... 19008 90412 32522 Vnimanie, rpt msg, konec	USB	(AB)
8530	S11a	14-7	0915	Tue	483/30 Vnimanie 16268 81728 36293 ... 94233 23217 86231 Vnimanie, rpt msg, konec	USB	(AB)
11581	S11a	14-7	1020	Tue	426/00	USB	(AB)
16530	S11a	16-7	1015	Thu	475/00	USB	(AB)
5149	S11a	17-7	0455	Fri	321/00	USB	(AB)
8530	S11a	17-7	0915	Fri	483/30 Vnimanie 16268 81728 36293 ... 94233 23217 86231 Vnimanie, rpt msg, konec	USB	(AB)
11581	S11a	17-7	1020	Fri	426/00	USB	(AB)
5149	S11a	21-7	0455	Tue	321/00	USB	(AB)
4870	S11a	22-7	1955	Wed	371/00	USB	(AB)
16530	S11a	23-7	1015	Thu	475/00	USB	(AB)
5149	S11a	24-7	0455	Fri	321/00	USB	(AB)
8530	S11a	24-7	0915	Fri	484/00	USB	(AB)
11581	S11a	24-7	1020	Fri	426/00	USB	(AB)
16530	S11a	27-7	1015	Mon	475/00	USB	(AB)
8530	S11a	28-7	0915	Tue	484/00	USB	(AB)
11581	S11a	28-7	1020	Tue	426/00	USB	(AB)
4870	S11a	29-7	1955	Wed	371/00	USB	(AB)
16530	S11a	30-7	1015	Thu	475/00	USB	(AB)
5149	S11a	31-7	0455	Fri	321/00	USB	(AB)
11581	S11a	31-7	1020	Fri	426/00	USB	(AB)
4625	S28	9-7	1238	Thu	MDZhB 61 913 BYeLOPOLYeC 5161 2120	USB	(Priyom)
4625	S28	9-7	1317	Thu	MDZhB 06 870 CYeLOKOIN 2331 6092	USB	(Priyom)
4625	S28	13-7	0751	Mon	MDZhB 18 327 BYeKMANIYa 5088 5652	USB	(Priyom)
4625	S28	13-7	0832	Mon	MDZhB 43 340 BYeKACHINYI 5969 0839	USB	(Priyom)
4625	S28	13-7	1255	Mon	MDZhB 52 289 DYeKANTACIYa 9426 7359	USB	(Priyom)
4625	S28	13-7	1303	Mon	MDZhB 67 991 KYeIMICIN 2507 8109	USB	(Priyom)
4625	S28	20-7	0759	Mon	MDZhB GYeOLOGIYa 70 32	USB	(Priyom)
4625	S28	20-7	0804	Mon	MDZhB 22 482 CYeZARIZM 6030 8044. Marker up in the middle of transmission	USB	(Priyom)
4625	S28	27-7	1535	Mon	MDZhB 82 940 FYeRBIDOL 0378 0941	USB	(Priyom)
4625	S28	27-7	1613	Mon	MDZhB 65 392 ZYeAZIN 0184 6202	USB	(Priyom)
4625	S28	27-7	1635	Mon	MDZhB 50 556 ADOPTACIYa 0753 9030	USB	(Priyom)
4625	S28	27-7	1710	Mon	MDZhB 77 517 UDOBNYJ 6461 8101	USB	(Priyom)
3756	S30	1-7	1834	Wed	8CSchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O	USB	(Priyom)
3756	S30	21-7	1844	Tue	JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK	USB	(Priyom)
5448	S30	27-7	1556	Mon	8S1Shch 54 316 IKRYaNIK 6404 3791	USB	(Priyom)
5448	S30	27-7	1614	Mon	8S1Shch 50 461 OKRUZhKAN 1665 2299	USB	(Priyom)
5448	S30	27-7	1639	Mon	8S1Shch 34 023 STYDLIVYeC 0631 8952	USB	(Priyom)
5448	S30	27-7	1709	Mon	8S1Shch 53 101 VISKARDAN 9236 1327	USB	(Priyom)
3756	S30	27-7	1856	Mon	HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P	USB	(Priyom)
5448	S30	28-7	1725	Tue	8S1Shch ZAKAT 34 42	USB	(Priyom)
5448	S30	29-7	1716	Wed	8S1Shch 04 639 RAZRYeZKA 9933 0708	USB	(Priyom)
3756	S30	29-7	2001	Wed	M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5	USB	(Priyom)
3756	S30	30-7	1804	Thu	N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM	USB	(Priyom)
7009	S32	1-7	0801	Wed	SLIVA-94 LANDYSh-74 STAZHER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
3828	S32	1-7	1840	Wed	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 KURGAN-40 DUBLYoR-68 STUPA-32	USB	(Priyom)
7009	S32	2-7	0825	Thu	ALFA-45 99 537 ZAHOLUST'Ye 1284 6179	USB	(Priyom)
7009	S32	2-7	0940	Thu	ALFA-45 85 970 PODSTRUZhKA 8230 9994	USB	(Priyom)
7009	S32	3-7	0826	Fri	STOROZh-62 NYeVKA-26 KARTA-11 UTyOs-94 KOVBOJ-39 with PIP (S30) on back-ground	USB	(Priyom)
7009	S32	6-7	1237	Mon	ALFA-45 99 628 MARKATO 7306 0434 with PIP (S30) and ZAS telegraph printer on background	USB	(Priyom)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
7009	S32	7-7	0847	Tue	ALFA-45 02 544 VINOPROVOD 7148 8989 with PIP (S30) on background	USB	(Priyom)
7009	S32	13-7	0610	Mon	STORozh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39	USB	(Priyom)
7009	S32	13-7	0751	Mon	ALFA-45 52 229 STONAVA 2435 0202	USB	(Priyom)
7009	S32	13-7	0837	Mon	ALFA-45 45 547 RADIOLOG 4266 1177 Error on the first read	USB	(Priyom)
7009	S32	13-7	0845	Mon	ALFA-45 45 747 RADIOLOG 4266 1177 Repeat of 0837 UTC, signal number has been corrected	USB	(Priyom)
7009	S32	16-7	0753	Thu	ALFA-45 39 207 STYaZhOK 7418 8527	USB	(Priyom)
7009	S32	16-7	0806	Thu	ALFA-45 43 275 BYeRDChANIN 4953 4154 with PIP (S30) on background	USB	(Priyom)
7009	S32	16-7	0818	Thu	ALFA-45 80 508 LYeSISTYJ 3912 1505 with PIP (S30) on background	USB	(Priyom)
3828	S32	20-7	1119	Mon	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 with PIP (S30) on back-ground	USB	(Priyom)
7009	S32	20-7	1149	Mon	ALFA-45 11 935 MYeRChINSON 2256 8259	USB	(Priyom)
7009	S32	20-7	1705	Mon	STORozh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on back-ground	USB	(Priyom)
7009	S32	21-7	0736	Tue	SLIVA-94 LANDYSh-74 STAZhEr-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
7009	S32	21-7	0800	Tue	ALFA-45 91 385 FRUKTOFShchIK 2093 9389	USB	(Priyom)
7009	S32	21-7	0851	Tue	ALFA-45 60 845 POLUMYeTAL 3164 0324 with PIP(s30) on background	USB	(Priyom)
7009	S32	21-7	1020	Tue	ALFA-45 42 489 CIBULYa 9056 9182	USB	(Priyom)
7009	S32	21-7	1101	Tue	ALFA-45 47 912 PYeRYeKATKA 2860 1178	USB	(Priyom)
7009	S32	21-7	1119	Tue	SLIVA-94 LANDYSh-74 STAZhEr-29 ALEUT-09 ZASLONKA-27 STORozh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on background	USB	(Priyom)
7009	S32	22-7	0800	Wed	KURGAN-40 DUBLYoR-68 STUPA-32 Play00:00à	USB	(Priyom)
7009	S32	22-7	0952	Wed	ALFA-45 48 756 SGOVORKA 4765 3685 with PIP (S30) on background	USB	(Priyom)
7009	S32	22-7	1030	Wed	ROSA-64 DZhIGIT-46 OTPOR-89 FONTAN-34 with PIP (S30) on background	USB	(Priyom)
7009	S32	24-7	0724	Fri	STORozh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39	USB	(Priyom)
7009	S32	24-7	1023	Fri	ALFA-45 32 241 BILYeJ 4618 9665 Nice fail in signal reading. Pip on background	USB	(Priyom)
7009	S32	24-7	1057	Fri	ALFA-45 36 032 KINAZ 1576 7845 with PIP (S30) on background	USB	(Priyom)
7009	S32	27-7	1029	Mon	STORozh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 error in reading	USB	(Priyom)
7009	S32	27-7	1101	Mon	ALFA-45 76 907 SINYeRGIST 1210 8905	USB	(Priyom)
7009	S32	27-7	1109	Mon	ALFA-45 55 071 LOMShchIK 2184 4100	USB	(Priyom)
7009	S32	27-7	1557	Mon	ALFA-45 15 177 ARGIRODIT 4105 1561	USB	(Priyom)
7009	S32	27-7	1614	Mon	ALFA-45 85 649 SYeRDYuGA 2676 4571	USB	(Priyom)
7009	S32	27-7	1639	Mon	ALFA-45 91 553 UMYVAL'NIK 2403 5656	USB	(Priyom)
7009	S32	27-7	1712	Mon	ALFA-45 41 712 PARABYeL' 7573 0907 with PIP (S30) on background	USB	(Priyom)
3828	S32	27-7	1901	Mon	PYeNZa-07 SLIVA-94 LANDYSh-74 STAZhEr-29 ALEUT-09 ZASLONKA-27 with PIP (S30) on background	USB	(Priyom)
7009	S32	28-7	1700	Tue	PYeSOChNYJ-21 ShULER-60 PYeNZa-07 KURGAN-40 DUBLYoR-68 STUPA-32	USB	(Priyom)
7009	S32	28-7	1841	Tue	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
7009	S32	29-7	0828	Wed	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 with PIP (S30) on background	USB	(Priyom)
7009	S32	29-7	1721	Wed	ALFA-45 96 617 KAGAYaN 6874 6374 with PIP (S30) on background	USB	(Priyom)
3828	S32	29-7	1845	Wed	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07 with PIP (S30) on back-ground	USB	(Priyom)
7009	S32	30-7	0528	Thu	ALFA-45 VYHODYeC 53 24	USB	(Priyom)
7009	S32	30-7	1542	Thu	ALFA-45 04 208 GRADINKA 5575 3278 with PIP (S30) on background	USB	(Priyom)
7009	S32	30-7	1611	Thu	ALFA-45 27 116 BANANNIK 3687 2600 with PIP (S30) on background	USB	(Priyom)
7009	S32	30-7	1743	Thu	STUPA-32 STORozh-62 NYeVKA-26 KARTA-11 UTyoS-94 KOVBOJ-39 with PIP (S30) on background	USB	(Priyom)
3828	S32	30-7	1859	Thu	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
5292	S529	28-7	1436	Tue	Test count 1 2 3 4 5 6 7 8 9 0	2 USB	(Priyom)
5292	S5292	1-7	1335	Wed	FAZAN-37 36 982 BIOLOG 4326 9675	USB	(Priyom)
5292	S5292	1-7	1419	Wed	FAZAN-37 09 339 ZRYeLIShchYe 2213 7474 Counting before the signal	USB	(Priyom)
5292	S5292	1-7	1603	Wed	Test count 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
5292	S5292	6-7	1942	Mon	Channel marker "B"	USB	(AB)
5292	S5292	13-7	1925	Mon	Channel marker "B"	USB	(AB)
5292	S5292	16-7	1637	Thu	Channel marker "B"	CW	(AB)
5292	S5292	20-7	1921	Mon	Channel marker "B"	USB	(AB)
5292	S5292	22-7	0801	Wed	BARZHA-08 58 389 KOVKA 2532 9437	USB	(Priyom)
5292	S5292	22-7	0803	Wed	BOYeC-43 58 389 KOVKA 2532 9437	USB	(Priyom)
5292	S5292	27-7	0804	Mon	SYeKRYeT-39 49 944 POVYShYeNIYe 2531 4876	USB	(Priyom)
5292	S5292	27-7	0810	Mon	RYeGATA-75 89 629 USPYeSHNYJ 6782 3927	USB	(Priyom)
5292	S5292	28-7	1705	Tue	Channel marker "B" sends also sometimes "D"	USB	(AB)
5292	S5292	28-7	1936	Tue	Channel marker now mainly sending "D" and occasionally "B"	USB	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
5292	S5292	29-7	2032	Wed	Channel marker now mainly sending "D" and occasionally "B"	USB	(AB)
3392	UM10	8-7	1644	Wed	Unid 10-mins net: FX7T (new callsign and frequency)	CW	(JPL-Sib)
3193	UM10	8-7	1657	Wed	Unid 10-mins net: EM4X (new callsign and frequency)	CW	(JPL-Sib)
3392	UM10	8-7	1715	Wed	Unid 10-mins net: FX7T (new callsign and frequency)	CW	(JPL-Sib)
3193	UM10	9-7	1629	Thu	Unid 10-mins net: EM4X	CW	(JPL-Sib)
3392	UM10	9-7	1640	Thu	Unid 10-mins net: FX7T	CW	(JPL-Sib)
3193	UM10	12-7	1328	Sun	Unid 10-mins net: EM4X	CW	(JPL-Sib)
3392	UM10	16-7	1440	Thu	Unid 10-mins net: FX7T	CW	(AB)
3193	UM10	19-7	1333	Sun	Unid 10-mins net: EM4X	CW	(JPL-Sib)
3392	UM10	24-7	1642	Fri	Unid 10-mins net: FX7T	CW	(JPL-Sib)
13582	V07	5-7	0700	Sun	512 512 512 000	USB	(Token)
12182	V07	5-7	0720	Sun	512 512 512 000	USB	(Token)
13582	V07	12-7	0700	Sun	512 512 512 1 291 96 ...	USB	(Token)
12182	V07	12-7	0720	Sun	512 512 512 1 291 96 ...	USB	(Token)
10282	V07	12-7	0740	Sun	512 512 512 1 291 96 ...	USB	(Token)
13582	V07	19-7	0700	Sun	512 512 512 000	USB	(Token)
12182	V07	19-7	0720	Sun	512 512 512 000	USB	(Token)
13582	V07	26-7	0700	Sun	512 512 512 000	USB	(Dan)
12182	V07	26-7	0720	Sun	512 512 512 000	USB	(Dan)
5715	V24	5-6	1330		Korean Intel.	AM	(Token)
6310	V24	5-6	1430		Korean Intel.	AM	(Token)
6215	V24	6-6	1330		Korean Intel.	AM	(Token)
6310	V24	6-6	1430		Korean Intel.	AM	(Token)
4900	V24	8-6	1500		Korean Intel.	AM	(Token)
4900	V24	9-6	1500		Korean Intel.	AM	(Token)
5715	V24	10-6	1330		Korean Intel.	AM	(Token)
6215	V24	11-6	1330		Korean Intel.	AM	(Token)
4900	V24	11-6	1500		Korean Intel.	AM	(Token)
5715	V24	15-6	1330		Korean Intel.	AM	(Token)
6310	V24	15-6	1430		Korean Intel.	AM	(Token)
6215	V24	16-6	1330		Korean Intel.	AM	(Token)
6310	V24	16-6	1430		Korean Intel.	AM	(Token)
14631	X06	15-7	0831	Wed	Mazielka. Sequence: 362154	USB	(Danix)
9243	X06	28-7	1652	Tue	Mazielka. Sequence: 116165	USB	(Sch)
10243	X06	28-7	1652	Tue	Mazielka. Sequence: 116165	USB	(Sch)
10493	X06	28-7	1652	Tue	Mazielka. Sequence: 116165	USB	(Sch)
14863	X06	31-7	1026	Fri	Mazielka. Sequence: 615243	USB	(Sch)
15884	X06b	7-7	1810	Tue	Mazielka. Sequence: 1--6--	USB	(linkz)
17473	X06b	14-7	0620	Tue	Mazielka. Sequence: 1--6--	USB	(Danix)
18673	X06b	14-7	0622	Tue	Mazielka. Sequence: 1--6--	USB	(Danix)
20173	X06b	14-7	0624	Tue	Mazielka. Sequence: 1--6--	USB	(Danix)
14384	X06b	14-7	1807	Tue	Mazielka. Sequence: 6--1--	USB	(Danix)
14984	X06b	14-7	1808	Tue	Mazielka. Sequence: 6--1--	USB	(Danix)
15884	X06b	14-7	1808	Tue	Mazielka. Sequence: 6--1--	USB	(Danix)
9064	X06b	15-7	0457	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
11464	X06b	15-7	0504	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
10264	X06b	15-7	0505	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
9064	X06b	15-7	0508	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
11464	X06b	15-7	0510	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
9064	X06b	15-7	0511	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
10264	X06b	15-7	0511	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
11409	X06b	15-7	0515	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
11409	X06b	15-7	0517	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
14609	X06b	15-7	0518	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
11409	X06b	15-7	0519	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
13509	X06b	15-7	0519	Wed	Mazielka. Sequence: 6--1--	USB	(Danix)
14812	X06b	20-7	1810	Mon	Mazielka. Sequence: 6--1--	USB	(AB)
13898	X06b	29-7	1624	Wed	Mazielka. Sequence: 1--6--	USB	(Sch)
15884	X06b	30-7	1822	Thu	Mazielka. Sequence: 1--6--	USB	(Dan)
15765	X06c	14-7	0635	Tue	Mazielka. Sequence: 123456	USB	(AAI)
11409	XPA	1-7	0600	Wed	456 456 456 000 03834 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	1-7	0620	Wed	456 456 456 000 03834 00001 00000 10140	MFSK-20/10Bd	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14609	XPA	1-7	0640	Wed	456 456 456 000 03834 00001 00000 10140	MFSK-20/10Bd	(AB)
10943	XPA	2-7	1730	Thu	922 922 922 000 08780 00001 00000 10140	MFSK-20/10Bd	(AB)
10243	XPA	2-7	1750	Thu	922 922 922 000 08780 00001 00000 10140	MFSK-20/10Bd	(AB)
9243	XPA	2-7	1810	Thu	922 922 922 000 08780 00001 00000 10140	MFSK-20/10Bd	(AB)
11409	XPA	4-7	0600	Sat	456 456 456 000 08700 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
13509	XPA	4-7	0620	Sat	456 456 456 000 08700 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
14609	XPA	4-7	0640	Sat	456 456 456 000 08700 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
10943	XPA	7-7	1730	Tue	922 1 02442 00221 94092 ... 89413 12436 33225	MFSK-20/10Bd	(AB)
10243	XPA	7-7	1750	Tue	922 1 02442 00221 94092 ... 89413 12436 33225	MFSK-20/10Bd	(AB/MPJ)
9243	XPA	7-7	1810	Tue	922 1 02442 00221 94092 ... 89413 12436 33225	MFSK-20/10Bd	(AB/MPJ)
11409	XPA	8-7	0600	Wed	456 1 07859 00189 59905 ... 73669 01927 20317	MFSK-16/20Bd	(AB)
13509	XPA	8-7	0620	Wed	456 1 07859 00189 59905 ... 73669 01927 20317	MFSK-16/20Bd	(AB)
14609	XPA	8-7	0640	Wed	456 1 07859 00189 59905 ... 73669 01927 20317	MFSK-16/20Bd	(AB)
10943	XPA	9-7	1730	Thu	922 1 02442 00221 94092 ... 89413 12496 33225	MFSK-20/10Bd	(AB/HFD)
10243	XPA	9-7	1750	Thu	922 1 02442 00221 94092 ... 89413 12436 33225	MFSK-20/10Bd	(AB/HFD)
9243	XPA	9-7	1810	Thu	922 1 02442 00221 94092 ... 89413 12436 33225	MFSK-20/10Bd	(AB/HFD)
11409	XPA	11-7	0600	Sat	456 1 07859 00189 59905 ... 73669 01927 20317	MFSK-16/20Bd	(AB)
13509	XPA	11-7	0620	Sat	456 1 07859 00189 59905 ... 73669 01927 20317	MFSK-16/20Bd	(AB)
14609	XPA	11-7	0640	Sat	456 1 07859 00189 59905 ... 73669 01927 20317	MFSK-16/20Bd	(AB)
10943	XPA	14-7	1730	Tue	922 1 03959 00183 26875 ... 36008 34796 02547	MFSK-20/10Bd	(AB)
10243	XPA	14-7	1750	Tue	922 1 03959 00183 26875 ... 36008 34796 02547	MFSK-20/10Bd	(AB)
9243	XPA	14-7	1810	Tue	922 1 03959 00183 26875 ... 36008 34796 02547	MFSK-20/10Bd	(AB)
11409	XPA	15-7	0600	Wed	456 456 456 000 03942 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	15-7	0620	Wed	456 456 456 000 03942 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	15-7	0640	Wed	456 456 456 000 03942 00001 00000 10140	MFSK-20/10Bd	(AB)
10943	XPA	16-7	1730	Thu	922 1 03959 00183 26875 ... 36008 34796 02547	MFSK-20/10Bd	(AB)
10243	XPA	16-7	1750	Thu	922 1 03959 00183 26875 ... 36008 34796 02547	MFSK-20/10Bd	(AB)
9243	XPA	16-7	1810	Thu	922 1 03959 00183 26875 ... 36008 34796 02547	MFSK-20/10Bd	(AB)
11409	XPA	18-7	0600	Sat	456 456 456 000 06292 00001 00000 10140	MFSK20/10Bd	(AB)
13509	XPA	18-7	0620	Sat	456 456 456 000 06292 00001 00000 10140	MFSK20/10Bd	(AB)
14609	XPA	18-7	0640	Sat	456 456 456 000 06292 00001 00000 10140	MFSK20/10Bd	(AB)
10943	XPA	21-7	1730	Tue	922 922 922 000 08340 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
10243	XPA	21-7	1750	Tue	922 922 922 000 08340 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
9243	XPA	21-7	1810	Tue	922 922 922 000 08340 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
11409	XPA	22-7	1730	Wed	456 1 03092 00147 95374 ... 06426 85379 20163	MFSK-20/10Bd	(AB)
13509	XPA	22-7	1750	Wed	456 1 03092 00147 95374 ... 06426 85379 20163	MFSK-20/10Bd	(AB)
14609	XPA	22-7	1810	Wed	456 1 03092 00147 95374 ... 06426 85379 20163	MFSK-20/10Bd	(AB)
10943	XPA	23-7	1730	Thu	922 922 922 000 08702 00011 00000 10100	MFSK-20/10Bd	(AB)
10243	XPA	23-7	1750	Thu	922 922 922 000 08702 00011 00000 10100	MFSK-20/10Bd	(AB)
9243	XPA	23-7	1810	Thu	922 922 922 000 08702 00011 00000 10100	MFSK-20/10Bd	(AB)
11409	XPA	25-7	0600	Sat	456 456 456 000 07704 00001 00000 10140	MFSK-16/20Bd	(AB)
13509	XPA	25-7	0620	Sat	456 456 456 000 07704 00001 00000 10140	MFSK-16/20Bd	(AB)
14609	XPA	25-7	0640	Sat	456 456 456 000 07704 00001 00000 10140	MFSK-16/20Bd	(AB)
10943	XPA	28-7	1730	Tue	922 1 00392 00209 98697 ... 20009 81021 42605	MFSK-20/10Bd	(AB)
10243	XPA	28-7	1750	Tue	922 1 00392 00209 98697 ... 20009 81021 42605	MFSK-20/10Bd	(AB)
9243	XPA	28-7	1810	Tue	922 1 00392 00209 98697 ... 20009 81021 42605	MFSK-20/10Bd	(AB)
11409	XPA	29-7	0600	Wed	456 456 456 000 06328 00001 00000 10140	MFSK20/10Bd	(AB)
13509	XPA	29-7	0620	Wed	456 456 456 000 06328 00001 00000 10140	MFSK20/10Bd	(AB)
14609	XPA	29-7	0640	Wed	456 456 456 000 06328 00001 00000 10140	MFSK20/10Bd	(AB)
10943	XPA	30-7	1730	Thu	922 1 00392 00209 98697 ... 20009 81021 42605	MFSK-20/10Bd	(AB/MPJ)
10243	XPA	30-7	1750	Thu	922 1 00392 00209 98697 ... 20009 81021 42605	MFSK-20/10Bd	(AB/MPJ)
9243	XPA	30-7	1810	Thu	922 1 00392 00209 98697 ... 20009 81021 42605	MFSK-20/10Bd	(AB)
15967	XPA2	3-7	2100	Fri	04631 00085 21032 ... 57984 07627 17730	MFSK-16/20Bd	(AB/HFD)
13884	XPA2	3-7	2120	Fri	04631 00085 21032 ... 57984 07627 17730	MFSK-16/20Bd	(AB/HFD)
12217	XPA2	3-7	2140	Fri	04631 00085 21032 ... 57984 07627 17730	MFSK-16/20Bd	(AB/HFD)
15967	XPA2	4-7	2100	Sat	04631 00085 21032 ... 57984 07627 17730	MFSK-16/20Bd	(AB/BW3)
13884	XPA2	4-7	2120	Sat	04631 00085 21032 ... 57984 07627 17730	MFSK-16/20Bd	(AB/BW3)
12217	XPA2	4-7	2140	Sat	04631 00085 21032 ... 57984 07627 17730	MFSK-16/20Bd	(AB)
14538	XPA2	5-7	2100	Sun	06518 00119 80720 ... 60371 02840 61401	MFSK-16/20Bd	(AB)
13538	XPA2	5-7	2120	Sun	06518 00119 80720 ... 60371 02840 61401	MFSK-16/20Bd	(AB)
12138	XPA2	5-7	2140	Sun	06518 00119 80720 ... 60371 02840 61401	MFSK-16/20Bd	(AB)
15884	XPA2	7-7	1900	Tue	00699 00075 70308 ... 48080 96269 56605	MFSK-16/20Bd	(AB/MPJ/HFD)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14984	XPA2	7-7	1920	Tue	00699 00075 70308 ... 48080 96269 56605	MFSK-16/20Bd	(AB/MPJ/HFD)
14384	XPA2	7-7	1940	Tue	00699 00075 70308 ... 48080 96269 56605	MFSK-16/20Bd	(AB/MPJ/HFD)
14538	XPA2	7-7	2100	Tue	06518 00119 80720 ... 60371 02840 61401	MFSK-16/20Bd	(AB/HFD)
13538	XPA2	7-7	2120	Tue	06518 00119 80720 ... 60371 02840 61401	MFSK-16/20Bd	(AB/HFD)
12138	XPA2	7-7	2140	Tue	06518 00119 80720 ... 60371 02840 61401	MFSK-16/20Bd	(AB/HFD)
15884	XPA2	9-7	1900	Thu	00699 00075 70308 ... 48080 96269 56605	MFSK-16/20Bd	(AB/MPJ)
14984	XPA2	9-7	1920	Thu	00699 00075 70308 ... 48080 96269 56605	MFSK-16/20Bd	(AB/MPJ)
14384	XPA2	9-7	1940	Thu	00699 00075 70308 ... 48080 96269 56605	MFSK-16/20Bd	(AB/MPJ)
20173	XPA2	10-7	0700	Fri	00525 00109 71104 ... 19286 22788 64023	MFSK-16/20Bd	(AB)
18673	XPA2	10-7	0720	Fri	00525 00109 71104 ... 19286 22788 64023	MFSK-16/20Bd	(AB)
17473	XPA2	10-7	0740	Fri	00525 00109 71104 ... 19286 22788 64023	MFSK-16/20Bd	(AB)
15967	XPA2	10-7	2100	Fri	08425 00001 00000 10140	MFSK-16/20Bd	(AB)
13884	XPA2	10-7	2120	Fri	08425 00001 00000 10140	MFSK-16/20Bd	(AB)
12217	XPA2	10-7	2140	Fri	08425 00001 00000 10140	MFSK-16/20Bd	(AB)
14538	XPA2	12-7	2100	Sun	05330 00001 00000 10140	MFSK-16/20Bd	(AB)
13538	XPA2	12-7	2120	Sun	05330 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	12-7	2140	Sun	05330 00001 00000 10140	MFSK-16/20Bd	(AB)
20173	XPA2	14-7	0700	Tue	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
18673	XPA2	14-7	0720	Tue	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
17473	XPA2	14-7	0740	Tue	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
15884	XPA2	14-7	1900	Tue	07740 00001 00000 10140	MFSK-16/20Bd	(Dan/AB)
14984	XPA2	14-7	1900	Tue	07740 00001 00000 10140	MFSK-16/20Bd	(Dan/MPJ)
14384	XPA2	14-7	1900	Tue	07740 00001 00000 10140	MFSK-16/20Bd	(Dan)
14538	XPA2	14-7	2100	Tue	07847 00001 00000 10140	MFSK-16/20Bd	(AB)
13538	XPA2	14-7	2120	Tue	07847 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	14-7	2140	Tue	07847 00001 00000 10140	MFSK-16/20Bd	(AB)
15884	XPA2	16-7	1900	Thu	05300 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
14984	XPA2	16-7	1920	Thu	05300 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
14384	XPA2	16-7	1940	Thu	05300 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
20173	XPA2	17-7	0700	Fri	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
18673	XPA2	17-7	0720	Fri	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
17473	XPA2	17-7	0740	Fri	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
15967	XPA2	17-7	2100	Fri	09131 00173 56081 ... 73736 15015 57342	MFSK-16/20Bd	(AB)
13884	XPA2	17-7	2120	Fri	09131 00173 56081 ... 73736 15015 57342	MFSK-16/20Bd	(AB)
12217	XPA2	17-7	2140	Fri	09131 00173 56081 ... 73736 15015 57342	MFSK-16/20Bd	(AB)
15967	XPA2	18-7	2100	Sat	09131 00173 56081 ... 73736 15015 57342	MFSK-16/20Bd	(AB)
13884	XPA2	18-7	2120	Sat	09131 00173 56081 ... 73736 15015 57342	MFSK-16/20Bd	(AB)
12217	XPA2	18-7	2140	Sat	09131 00173 56081 ... 73736 15015 57342	MFSK-16/20Bd	(AB)
14538	XPA2	19-7	2100	Sun	03470 00081 71733 ... 29352 98800 74606	MFSK-16/20Bd	(AB)
13538	XPA2	19-7	2120	Sun	03470 00081 71733 ... 29352 98800 74606	MFSK-16/20Bd	(AB)
12138	XPA2	19-7	2140	Sun	03470 00081 71733 ... 29352 98800 74606	MFSK-16/20Bd	(AB)
20173	XPA2	21-7	0700	Tue	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
18673	XPA2	21-7	0720	Tue	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
17473	XPA2	21-7	0740	Tue	07692 00001 00000 10140	MFSK-16/20Bd	(AB)
15884	XPA2	21-7	1900	Tue	01062 00117 54503 ... 49167 38696 45153	MFSK-16/20Bd	(AB/MPJ)
14984	XPA2	21-7	1920	Tue	01062 00117 54503 ... 49167 38696 45153	MFSK-16/20Bd	(AB/MPJ)
14384	XPA2	21-7	1940	Tue	01062 00117 54503 ... 49167 38696 45153	MFSK-16/20Bd	(AB/MPJ)
14538	XPA2	21-7	2100	Tue	03470 00081 71733 ... 29352 98800 74606	MFSK-16/20Bd	(AB/Dan)
13538	XPA2	21-7	2120	Tue	03470 00081 71733 ... 29352 98800 74606	MFSK-16/20Bd	(AB/Dan)
12138	XPA2	21-7	2140	Tue	03470 00081 71733 ... 29352 98800 74606	MFSK-16/20Bd	(AB/Dan)
15884	XPA2	23-7	1900	Thu	01062 00117 54503 ... 49167 38696 45153	MFSK-16/20Bd	(AB)
14984	XPA2	23-7	1920	Thu	01062 00117 54503 ... 49167 38696 45153	MFSK-16/20Bd	(AB)
14384	XPA2	23-7	1940	Thu	01062 00117 54503 ... 49167 38696 45153	MFSK-16/20Bd	(AB)
20173	XPA2	24-7	0700	Fri	05371 00001 00000 10140	MFSK-16/20Bd	(AB)
18673	XPA2	24-7	0720	Fri	05371 00001 00000 10140	MFSK-16/20Bd	(AB)
17473	XPA2	24-7	0740	Fri	05371 00001 00000 10140	MFSK-16/20Bd	(AB)
15967	XPA2	24-7	2100	Fri	02719 00111 33064 ... 45584 49030 21035	MFSK-16/20Bd	(AB)
13884	XPA2	24-7	2120	Fri	02719 00111 33064 ... 45584 49030 21035	MFSK-16/20Bd	(AB)
12217	XPA2	24-7	2140	Fri	02719 00111 33064 ... 45584 49030 21035	MFSK-16/20Bd	(AB)
15967	XPA2	25-7	2100	Sat	03371 00001 00000 10140	MFSK-16/20Bd	(AB)
13884	XPA2	25-7	2120	Sat	03371 00001 00000 10140	MFSK-16/20Bd	(AB)
12217	XPA2	25-7	2140	Sat	03371 00001 00000 10140	MFSK-16/20Bd	(AB)

Freq.	Code	Date	UTC	Day	Details	Mode	Ctrb
14538	XPA2	26-7	2100	Sun	05673 00001 00000 10140	MFSK-16/20Bd	(AB)
13538	XPA2	26-7	2120	Sun	05673 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	26-7	2140	Sun	05673 00001 00000 10140	MFSK-16/20Bd	(AB)
20173	XPA2	28-7	0700	Tue	00716 00125 66238 ... 95195 60996 20500	MFSK-16/20Bd	(AB)
18673	XPA2	28-7	0720	Tue	00716 00125 66238 ... 95195 60996 20500	MFSK-16/20Bd	(AB)
17473	XPA2	28-7	0740	Tue	00716 00125 66238 ... 95195 60996 20500	MFSK-16/20Bd	(AB)
15884	XPA2	28-7	1900	Tue	03571 00105 25529 ... 16957 01815 56707	MFSK-16/20Bd	(AB)
14984	XPA2	28-7	1920	Tue	03571 00105 25529 ... 16957 01815 56707	MFSK-16/20Bd	(AB/MPJ)
14384	XPA2	28-7	1940	Tue	03571 00105 25529 ... 16957 01815 56707	MFSK-16/20Bd	(AB/MPJ)
14538	XPA2	28-7	2100	Tue	05923 00001 00000 10140	MFSK-16/20Bd	(AB)
13538	XPA2	28-7	2120	Tue	05923 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	28-7	2140	Tue	05923 00001 00000 10140	MFSK-16/20Bd	(AB)
15884	XPA2	30-7	1900	Thu	03571 00105 25529 ... 16957 01815 56707	MFSK-16/20Bd	(AB/MPJ/Dan)
14984	XPA2	30-7	1920	Thu	03571 00105 25529 ... 16957 01815 56707	MFSK-16/20Bd	(AB/Dan)
14384	XPA2	30-7	1940	Thu	03571 00105 25529 ... 16957 01815 56707	MFSK-16/20Bd	(AB/MPJ/Dan)
20173	XPA2	31-7	0700	Fri	00716 00125 66238 ... 95195 60996 20500	MFSK-16/20Bd	(AB)
18673	XPA2	31-7	0720	Fri	00716 00125 66238 ... 95195 60996 20500	MFSK-16/20Bd	(AB)
17473	XPA2	31-7	0740	Fri	00716 00125 66238 ... 95195 60996 20500	MFSK-16/20Bd	(AB)
15967	XPA2	31-7	2100	Fri	07244 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
13884	XPA2	31-7	2120	Fri	07244 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
12217	XPA2	31-7	2140	Fri	07244 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)

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086 48932 70987 32123 49817 26346 81267 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 11
591 87364 87265 96718 27630 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43266 486
57 68768 68763 34234 34238 68768 62342 48273 48768 23
36 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
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583 98798 98754 98754 98754 98754 29867 67543 67986 86
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